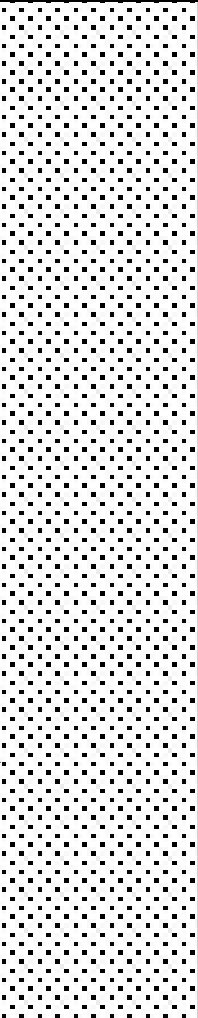

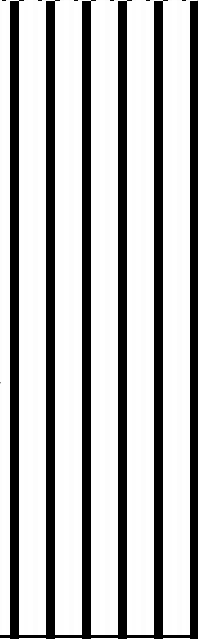
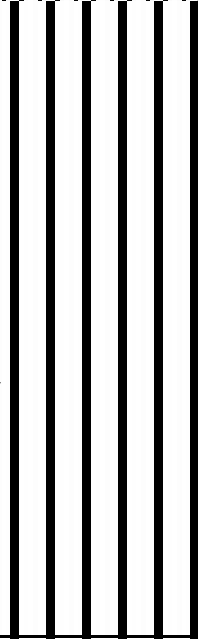
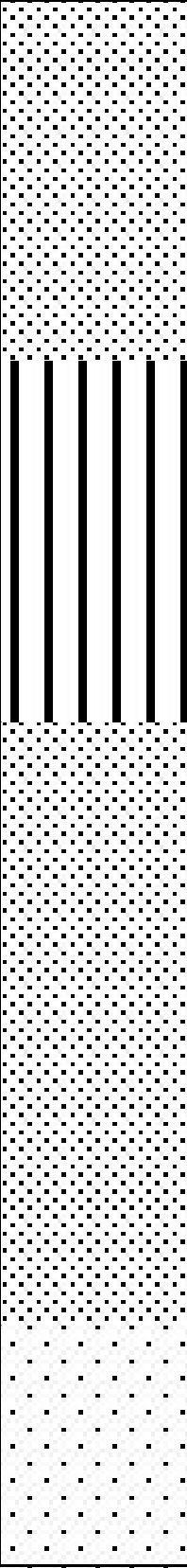

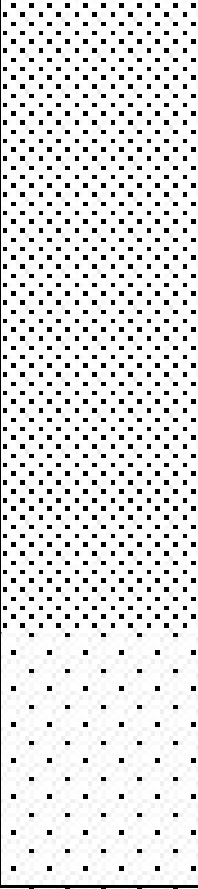
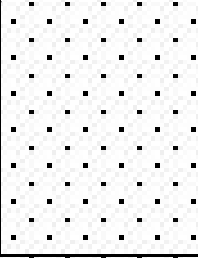
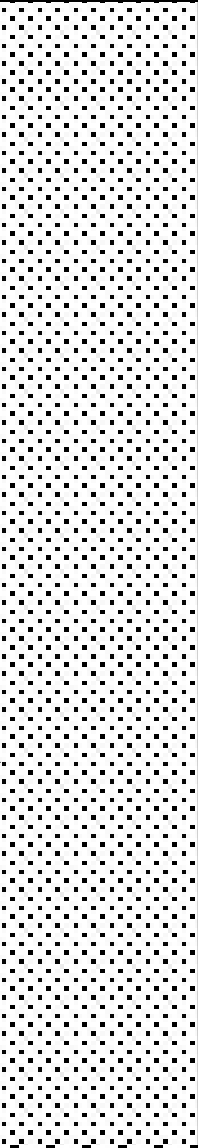

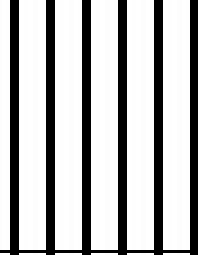
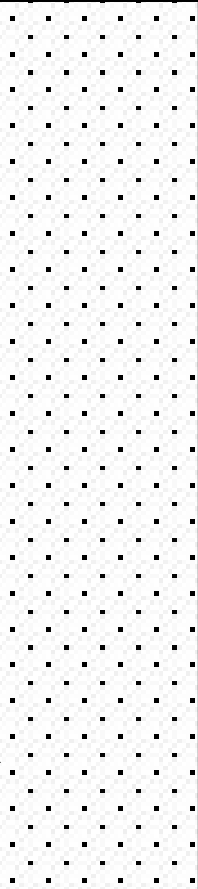

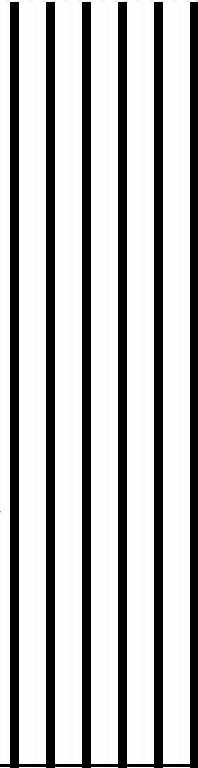


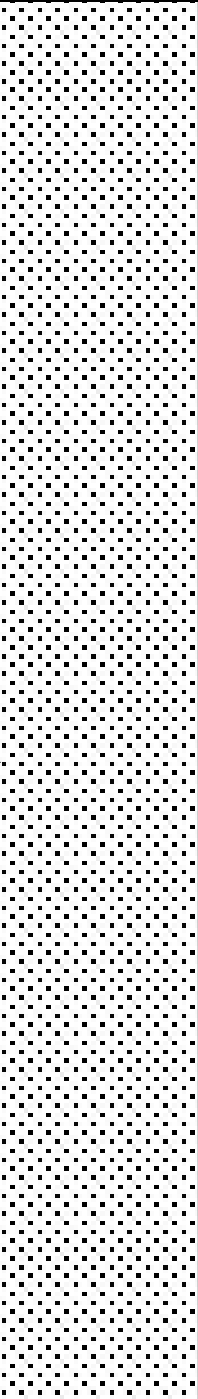

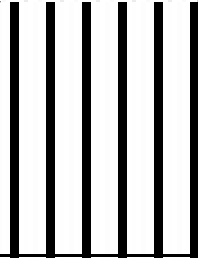
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		CC-C-001		Instrument		Model Number				Serial Number			
GEOLOGIST:		DNE		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Fair 14°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch					
Sampling Method:		Closed Piston				Borehole Depth:		12 feet					
Start Time:		8:20				Commpletion Time:		8:40					
Start Date:		2/11/2014				Completion Date:		2/11/2014					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		3,540-4,220 cpm		Point				4,158 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3.5		SW	10YR3/3	Dry	Medium-Fine Sands, Some Gravel, Some Silt.						
1								0.0	18	99	3,150		
2													
3								0.1	18	111	3,390		
4													
5					0.0	5.8	28	3,600					
6	5	3		SM	10YR3/4	Moist	Fine Sands, Trace Gravel, Some Silt.	0.0	< 5.8	46	3,340		
7													
8								0.0	9	85	3,390		
9													
10													
11	2	2		SM	10YR3/4	Wet	Fine Sands & Organic Material	2.0	17	61	3,590		
12													

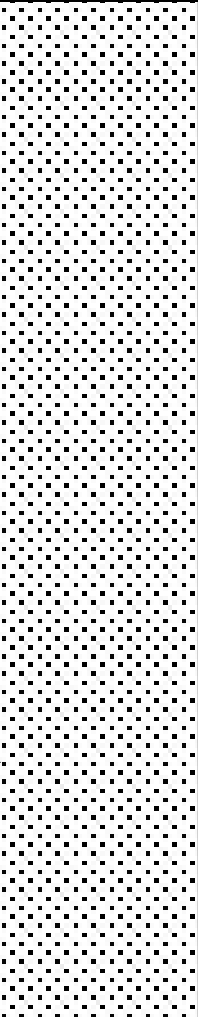

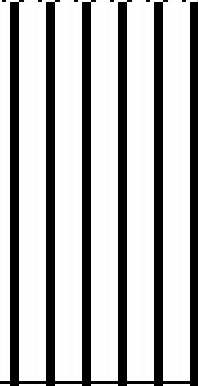
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		CC-C-002		Instrument		Model Number				Serial Number			
GEOLOGIST:		DNE		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Fair 14°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		9:45			Commpletion Time:		10:10						
Start Date:		2/11/2014			Completion Date:		2/11/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		3,910-4,350 cpm		Point				4,318 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3		SW	10YR3/2	Dry	Medium-Fine Sands, Some Silt, Some Gravel	0.0	< 7	84	3,690		
1					SM								10YR7/8
2				10YR3/6									
3						SW	10YR2/2	Wet	Medium-Fine Sands, Some Gravel, Some Silt.	0.0	31		195
4													
5													
6	5	3		SW	10YR2/2	Wet	Medium-Fine Sands, Some Gravel, Some Silt.	0.0	< 5.9	28	3,690		
7													
8													
9													
10	2	2		GW	10YR2/2	Wet	Gravely Sands	0.0	< 3.9	6.8	3,850		
11													
12													

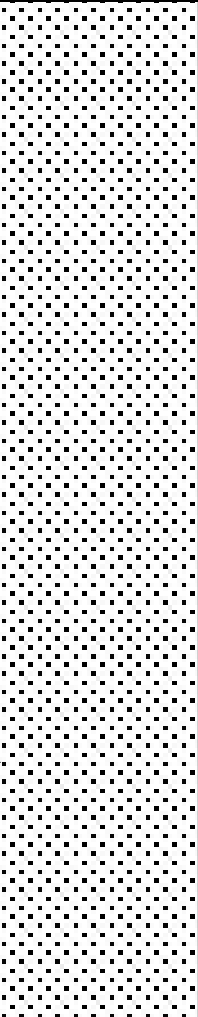

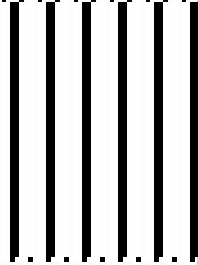
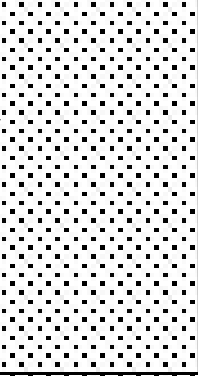
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		CC-C-003		Instrument		Model Number				Serial Number			
GEOLOGIST:		DNE		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Fair 14°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 feet						
Start Time:		8:30			Commpletion Time:		9:00						
Start Date:		2/11/2014			Completion Date:		2/11/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		3,470-4,130 cpm		Point				3,611 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3		SW	10YR5/4	Dry	Medium-Fine Sands, Trace Gravel, Some Silt.	0.0	< 4.7	40	3340		
1								0.4	4.8	7.7	3560		
2													
3													
4													
5	5	4		SM	10YR2/2	Wet	Medium-Fine Sands, Some Gravel.	0.0	15	151	3470		
6								0.0	21	579	4000		
7													
8													
9													
10						Dry	Fine Sands, Some Silt	0.0	16	129	3620		

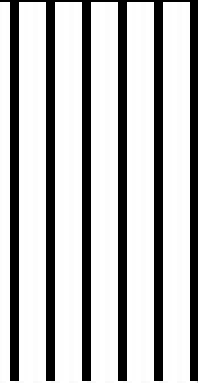

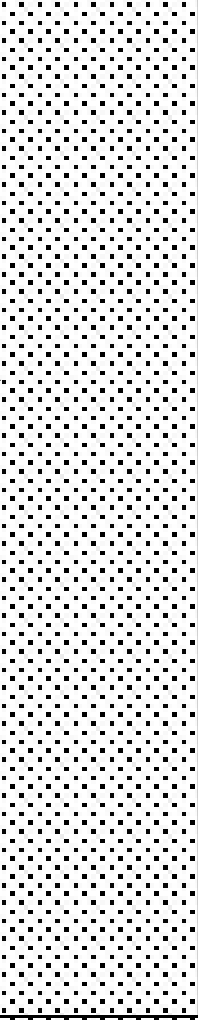
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		CC-C-004		Instrument		Model Number				Serial Number			
GEOLOGIST:		DNE		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Fair 14°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch					
Sampling Method:		Closed Piston				Borehole Depth:		10 feet					
Start Time:		9:10				Commpletion Time:		9:35					
Start Date:		2/11/2014				Completion Date:		2/11/2014					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		3,830-4,300 cpm		Point				3,949 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3.5		SM	10 YR6/6	Dry	Fine Sands, Some Silt.	0.0	32	45	3,310		
1								0.0	< 4.5	12	3,460		
2													
3													
4				SW			Medium -Fine Sands, trace Gravel, Some Silt.	0.0	17	155	3,420		
5													
6	5	3.5				Moist		0.0	32	402	3,360		
7													
8				SM	10YR2/2		Fine Sands, Some Silt.	0.0	< 19	581	3,390		
9													
10													

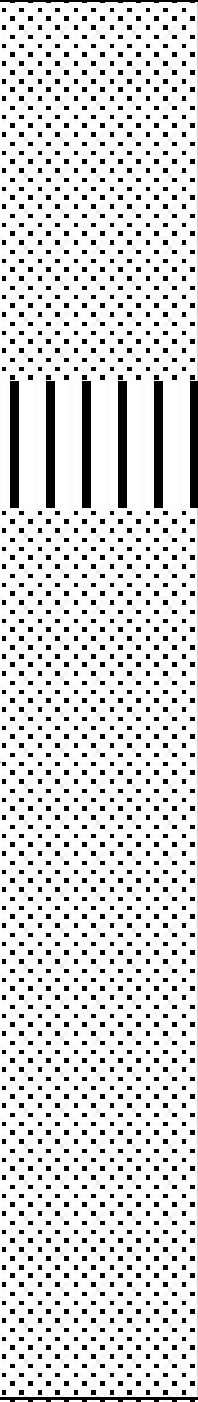
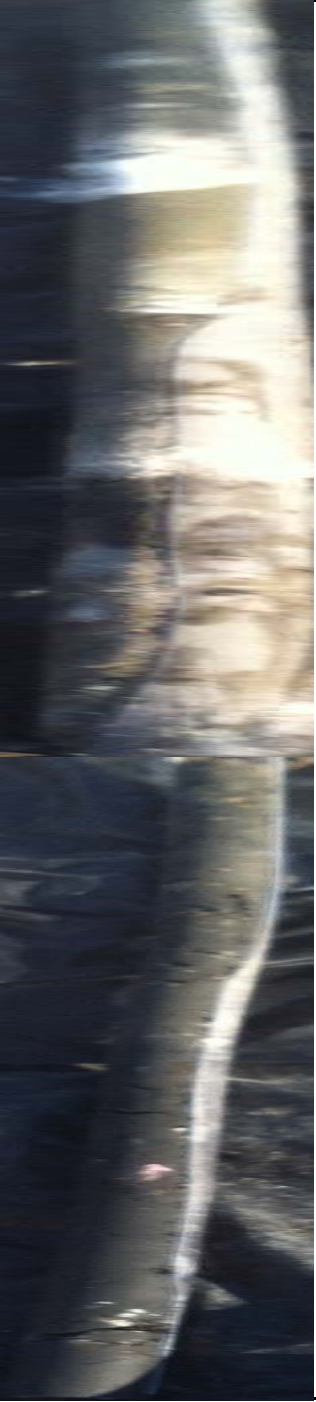
SOIL BORING LOG SHEET														
BOREHOLE NUMBER:		CC-C-005		Instrument		Model Number				Serial Number				
GEOLOGIST:		DNE		PID:		RAE Systems - PGM7600				110-009576				
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301				
WEATHER:		Fair 14°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303				
Drilling Method:		Direct Push				Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston				Borehole Depth:		12 feet						
Start Time:		11:00				Commpletion Time:		11:30						
Start Date:		2/11/2014				Completion Date:		2/11/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb		
Range		3,450-4,500 cpm		Point				3,497 cpm		14,648 cpm		24 ppm		400 ppm
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log		
0	5	3		GW	10YR6/3	Moist	Gravely Sand	0.0	< 4.5	23	3,640			
1														
2														
3														
4														
5														
6	5	4		SM	10YR2/1	Wet	Fine Sands, Silt.	0.0	24	166	4,020			
7														
8														
9														
10														
11	2	2		SM	10YR3/1	Wet	Fine Sands, Silt.	0.0	25	151	3,490			
12														

SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		CC-C-006		Instrument		Model Number				Serial Number			
GEOLOGIST:		DNE		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Fair 14°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		10:05			Commpletion Time:		10:35						
Start Date:		2/11/2014			Completion Date:		2/11/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		3,780-4,280 cpm		Point				4,206 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		SW	10YR3/2	Dry	Medium-Fine Sands, Some Gravel, Some Silt.	0.0	13	103	3,210		
1													
2													
3													
4													
5	Moist												
6		Wet											
7													
8													
9													
10	2		2		SM	Fine Sands, Some Gravel, Some Silt.	0.0	< 5	20	3,240			
11													
12													

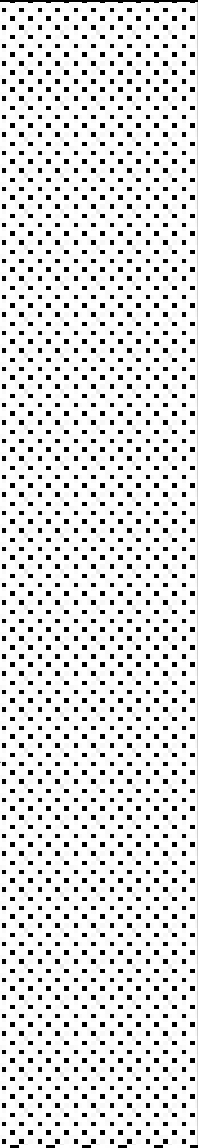
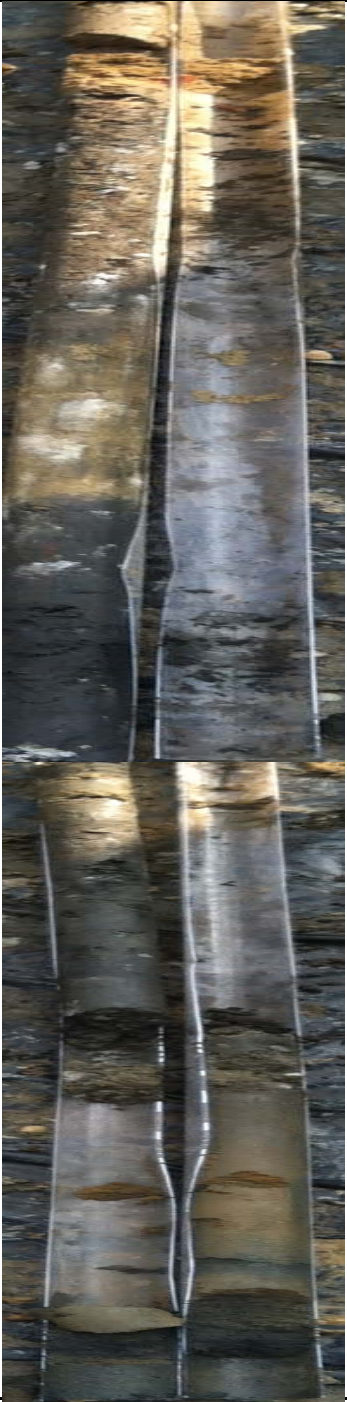
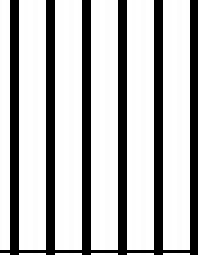
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		CC-C-007		Instrument		Model Number				Serial Number			
GEOLOGIST:		DNE		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Fair 14°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch					
Sampling Method:		Closed Piston				Borehole Depth:		10 feet					
Start Time:		10:50				Commpletion Time:		11:20					
Start Date:		2/11/2014				Completion Date:		2/11/2014					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		3,830-4,300 cpm		Point				3,949 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	5		SW	10YR3/1	Dry	Medium-Fine Sands, Some Silt, Some Grave.	0.0	51	328	3,390		
1													
2													
3													
4													
5													
6	5	2.5		SM	10YR3/2	Moist	Fine Sands, Some Silt.	0.0	< 7	86	3,350		
7													
8													
9													
10													

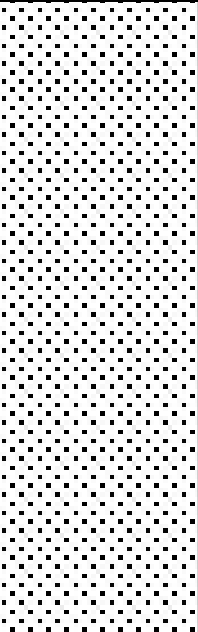

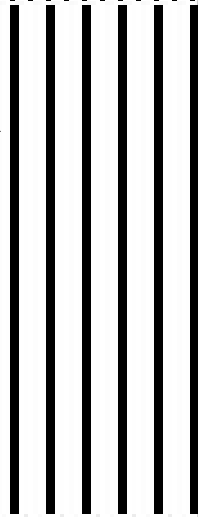
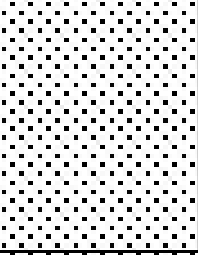
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		CC-C-008		Instrument		Model Number				Serial Number			
GEOLOGIST:		DNE		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Fair 14°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 feet						
Start Time:		12:15			Commpletion Time:		12:40						
Start Date:		2/11/2014			Completion Date:		2/11/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		4,040-4,460 cpm		Point				4,009 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		SW	10YR5/8	Dry	Medium-Fine Sands.	0.0	< 5.7	37	3,340		
1													
2													
3													
4													
5	5	5		SM	10YR2/2	Dry	Medium-Fine Sands, Rock, Silt.	0.0	27	189	3,390		
6													
7													
8													
9													
10	2	1		SW	10YR2/1	Wet	Medium-Fine Sands, Gravel.	0.0	< 5.0	30	3,710		
11													
12													

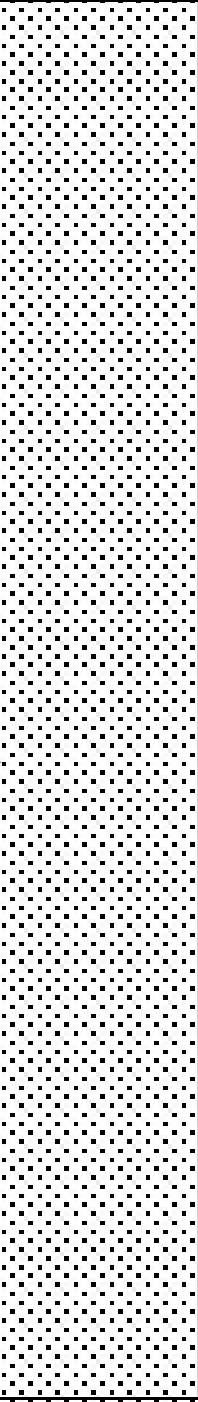

SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		CC-C-009		Instrument		Model Number				Serial Number			
GEOLOGIST:		DNE		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Fair 14°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 feet						
Start Time:		9:30			Commpletion Time:		10:00						
Start Date:		2/11/2014			Completion Date:		2/11/2014						
MARRSIM Walkover Survey (10'X10')					Monitoring Action levels			RAD (2X Background)		As		Pb	
Range		3,630-4,090 cpm		Point				3,996 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3.5		SM	10YR7/8	Dry	Fine Sands, Some Silt.	0.0	9.5	59	3,760		
1													
2													
3													
4													
5													
6	5	5		SW	10YR4/3	Moict	Medium-Fine Sands, trace Gravel, Some Silt.	0.0	62	916	3,650		
7													
8													
9													
10													

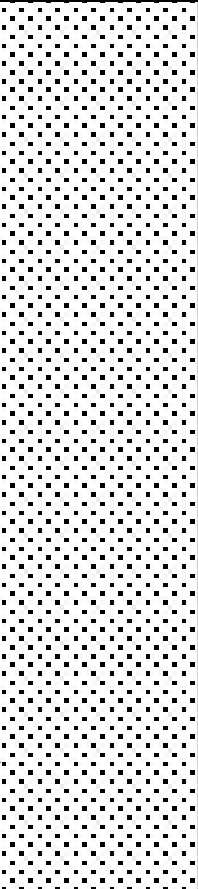

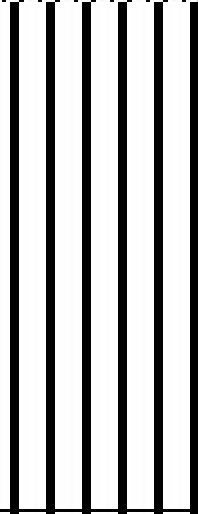
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		CC-C-010		Instrument		Model Number				Serial Number			
GEOLOGIST:		DNE		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Fair 14°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 feet						
Start Time:		10:00			Commpletion Time:		10:30						
Start Date:		2/11/2014			Completion Date:		2/11/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		3,640-4,180 cpm		Point				3,873 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	5		SW	10YR3/3	Dry	Medium-Fine Sands, Some Gravel, Some Silt.	1.5	< 5.3	24	3,170		
1				SM	10YR5/8		Fine Sands	0.0	< 6	45	3,190		
2													
3													
4													
5	5	4.5	SW	10YR3/3	Moist	Medium-Fine Sands, trace Gravel, Trace Silt.	0.0	13	222	3,140			
6							0.0	13	145	3,320			
7													
8													
9													
10													

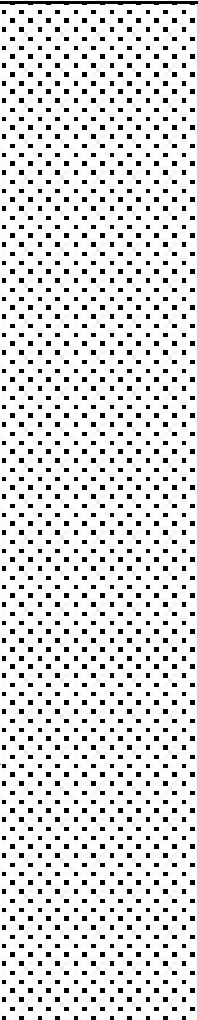

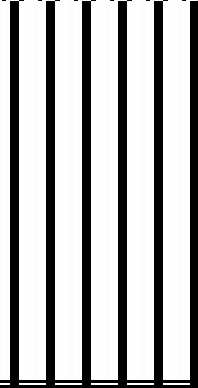
SOIL BORING LOG SHEET																	
BOREHOLE NUMBER:		CC-C-011		Instrument		Model Number				Serial Number							
GEOLOGIST:		DNE		PID:		RAE Systems - PGM7600				110-009576							
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301							
WEATHER:		Fair 14°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303							
Drilling Method:		Direct Push			Borehole Diameter:		2 inch										
Sampling Method:		Closed Piston			Borehole Depth:		10 feet										
Start Time:		12:40			Commpletion Time:		13:10										
Start Date:		2/11/2014			Completion Date:		2/11/2014										
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb					
Range		4,230-4,840 cpm		Point				4,571 cpm		14,648 cpm		24 ppm		400 ppm			
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log					
0	5	3		SW	10YR4/3	Moist	Medium-Fine Sands, Some Gravel, Some Silt.	0.0	69	77	3,490						
1																	
2																	
3							SM	10YR6/8		Fine Sand	0.0		< 3.7	< 5.2	3,450		
4																	
5						Dry		0.0	< 13	175	3,340						
6	5	5		SW	10YR3/2	Moist	Medium-Fine Sands, Silt.	0.5	24	246	3,180						
7																	
8																	
9																	
10														0.0	< 8	78	3,605

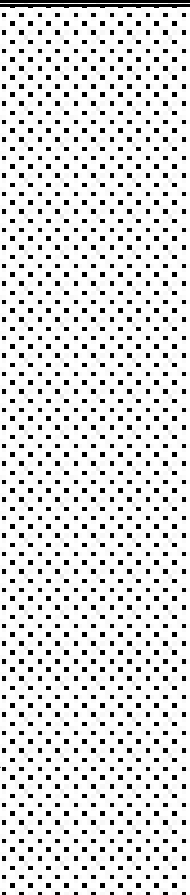

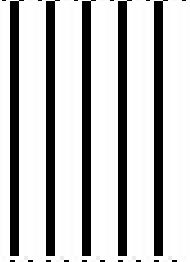
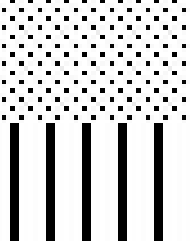
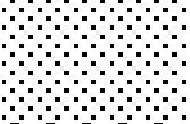
SOIL BORING LOG SHEET														
BOREHOLE NUMBER:		CC-C-027		Instrument		Model Number				Serial Number				
GEOLOGIST:		DNE		PID:		RAE Systems - PGM7600				110-009576				
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301				
WEATHER:		Fair 29°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303				
Drilling Method:		Direct Push				Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston				Borehole Depth:		10 feet						
Start Time:		13:50				Commpletion Time:		14:20						
Start Date:		2/14/2014				Completion Date:		2/14/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels			RAD (2X Background)		As		Pb	
Range		3,240-3,280 cpm		Point					3,686 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log		
0	5	4.5		SW	10YR4/3	Dry	Medium-Fine Sands, Some Gravel, Trace Silt.	0.0	31	265	4,050			
1								0.0	16	87	3,810			
2														
3														
4														
5	5	4.5		SM	10YR4/4	Wet	Fine Sands, Some Silt.	0.0	< 4.1	10	3,820			
6														
7														
8														
9														
10														

SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		CC-C-030		Instrument:		Model Number			Serial Number				
GEOLOGIST:		JMC		PID:		RAE Systems - PGM7600			110-009576				
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000			500301				
WEATHER:		Sunny 36°F		Scaler:		Ludlum 12 / 44-9			186760 / PR153303				
Drilling Method:		Direct Push			Borehole Diameter:		2 Inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 Feet						
Start Time:		11:00			Completion Time:		11:15						
Start Date:		2/14/2014			Completion Date:		2/14/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		Rad (2X Background)		As		Pb	
Range		3,460-3,890 cpm		Point				3,571 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advanced (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		SW	10YR3/3	Moist	Fine Sands and Silt, Some Gravel	0.0	< 6	52	3,650		
1						Dry		0.0	< 10	134	3,580		
2													
3													
4													
5	5	4		SM	10YR2/1	Moist	Silty Sands, Some Gravel.	0.0	< 8	78	3,640		
6						Dry		0.0	< 9	134	3,520		
7													
8													
9													
10	5	4		SW	10YR3/3	Moist	Fine Sands.	0.8	< 13	319	3,550		

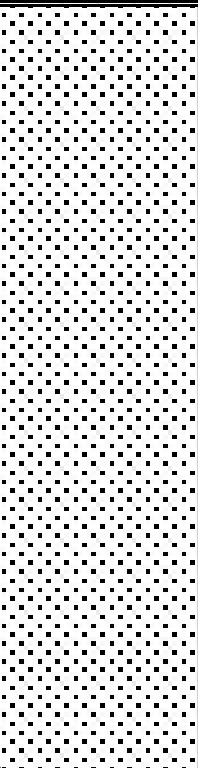

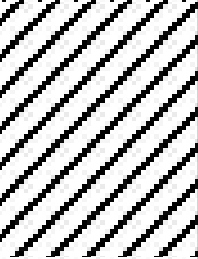
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		CC-C-032		Instrument:		Model Number				Serial Number			
GEOLOGIST:		JMC		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sunny 36°F		Scaler:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 Inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 Feet						
Start Time:		11:00			Completion Time:		11:15						
Start Date:		2/14/2014			Completion Date:		2/14/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		Rad (2X Background)		As		Pb	
Range		2,880-3,460 cpm		Point				3,247 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advanced (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		SW	10YR3/3	Dry	Fine Sands, Some Gravel.	0.0	< 7	54	3,620		
1													
2													
3													
4													
5	5	4.5			10YR2/1	Wet	Fine Sands, Some Silt.	0.0	< 10	113	3,550		
6													
7						Moist		0.0	< 6	51	3,810		
8													
9													
10			10YR4/6	Dry	Fine Sands, Some Gravel.	0.8	3.9	< 5.1	3,650				

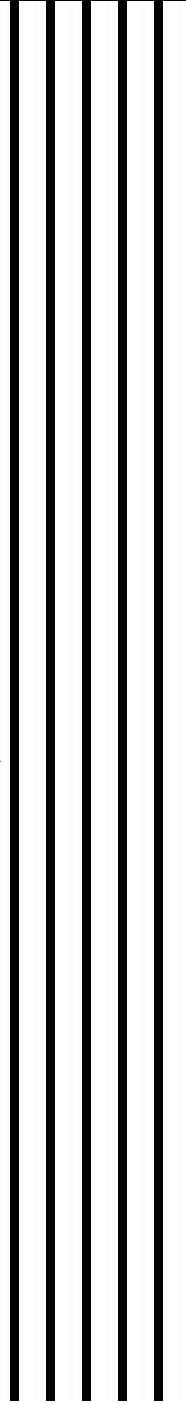

SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		CC-C-033		Instrument:		Model Number				Serial Number			
GEOLOGIST:		JMC		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sunny 36°F		Scaler:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 Inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 Feet						
Start Time:		10:25			Completion Time:		10:50						
Start Date:		2/14/2014			Completion Date:		2/14/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		Rad (2X Background)		As		Pb	
Range		3,560-4,120 cpm		Point				4,051 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advanced (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		SW	10YR2/2	Moist	Fine Sands	0.0	14	54	3,175		
1						Dry	Fine Sands, Some Gravel.	0.0	< 8	85	3,820		
2													
3													
4													
5	5	3.5		SM	10YR2/2	Wet	Fine Sands	0.0	14	127	3,155		
6						Moist	Silty Sands, Some Gravel.	0.0	< 7	61	3,420		
7													
8													
9													
10							0.8	< 7	65	3,380			

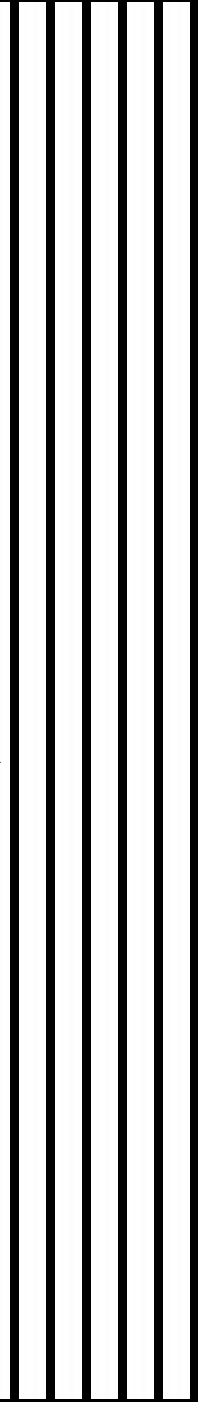


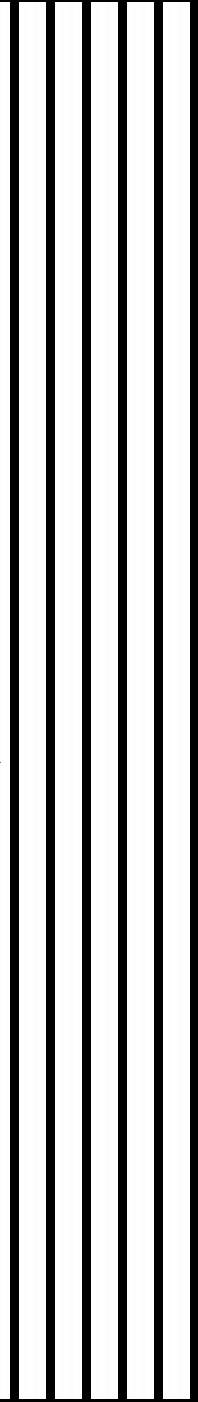

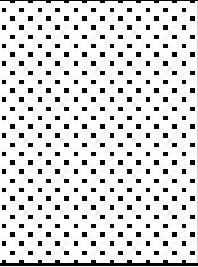

SOIL BORING LOG SHEET														
BOREHOLE NUMBER:		CC-C-034		Instrument:	Model Number				Serial Number					
GEOLOGIST:		DE		PID:	RAE Systems - PGM7600				110-009576					
HEALTH TECHNICIAN:		MS		XRF:	Innov-X Systems Inc. - DS-4000				500301					
WEATHER:		Sunny 36°F		Scaler:	Ludlum 12 / 44-9				186760 / PR153303					
Drilling Method:		Direct Push			Borehole Diameter:		2 Inch							
Sampling Method:		Closed Piston			Borehole Depth:		10 Feet							
Start Time:		11:45			Completion Time:		12:00							
Start Date:		2/14/2014			Completion Date:		2/14/2014							
MARRSIM Walkover Survey (10'X10')					Monitoring Action levels			Rad (2X Background)		As		Pb		
Range	2,950-3,410 cpm		Point	3,110 cpm				14,648 cpm		24 ppm		400 ppm		
Depth (ft)	Advanced (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log		
0	5	4		SW	10YR4/4	Dry	Medium-Fine Sands, Some Gravel, Trace Silt.	0.0	10	56	3,650			
1														
2														
3														
4														
5	5	3.5		SM	10YR6/4	Wet	Fine Sands and Silt.	0.0	< 9	110	3,560			
6														
7														
8														
9														
10														

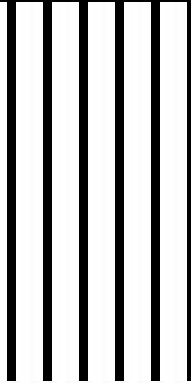

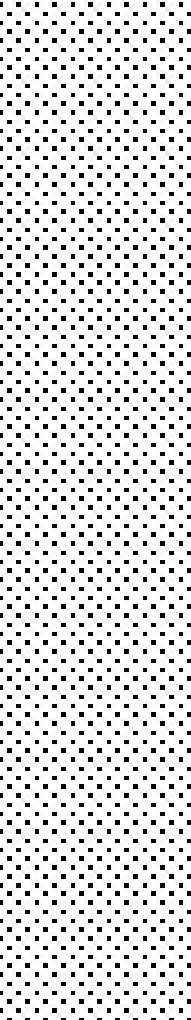
SOIL BORING LOG SHEET														
BOREHOLE NUMBER:		CC-C-035		Instrument:		Model Number				Serial Number				
GEOLOGIST:		JMC		PID:		RAE Systems - PGM7600				110-009576				
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301				
WEATHER:		Sunny 36°F		Scaler:		Ludlum 12 / 44-9				186760 / PR153303				
Drilling Method:		Direct Push				Borehole Diameter:		2 Inch						
Sampling Method:		Closed Piston				Borehole Depth:		10 Feet						
Start Time:		11:25				Completion Time:		11:50						
Start Date:		2/14/2014				Completion Date:		2/14/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels			Rad (2X Background)		As		Pb	
Range		2,790-3,240 cpm		Point					3,121 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advanced (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log		
0	5	4		SW	10YR2/1	Moist	Very Fine Sands and Silt, Moderately Sorted With Gravel	0.0	< 8	97	3,480			
1														
2														
3														
4														
5	5	4.5		SW	10YR2/1	Dry	Fine Sands and Silt, Well Sorted with Gravel.	0.0	< 12	232	3,530			
6														
7						Wet	Fine Sands and Silt, Well Sorted.	0.0	< 7	25	3,560			
8														
9														
10	5	4.5		SM	10YR4/4	Moist	Silt, Moderately Sorted, Some Gravel.	0.0	< 5.5	16	3,710			
9														
10	5	4.5		SW	10YR5/6	Dry	Very Fine Sands, Well Sorted.	0.0	< 5.1	20	3,470			
10														

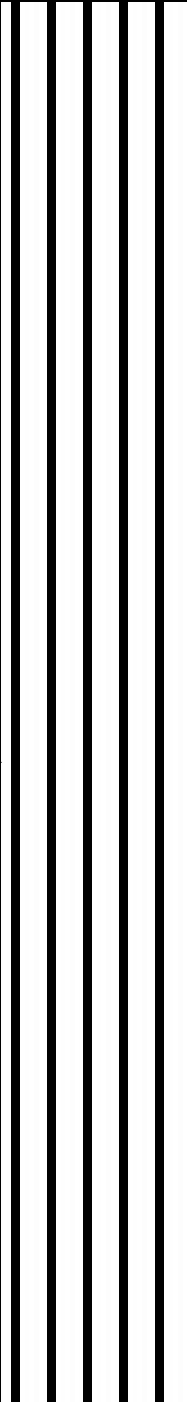

SOIL BORING LOG SHEET																
BOREHOLE NUMBER:		CC-C-036		Instrument:	Model Number				Serial Number							
GEOLOGIST:		JMC		PID:	RAE Systems - PGM7600				110-009576							
HEALTH TECHNICIAN:		MS		XRF:	Innov-X Systems Inc. - DS-4000				500301							
WEATHER:		Sunny 36°F		Scaler:	Ludlum 12 / 44-9				186760 / PR153303							
Drilling Method:		Direct Push			Borehole Diameter:		2 Inch									
Sampling Method:		Closed Piston			Borehole Depth:		10 Feet									
Start Time:		11:25			Completion Time:		11:40									
Start Date:		2/14/2014			Completion Date:		2/14/2014									
MARRSIM Walkover Survey (10'X10')					Monitoring Action levels			Rad (2X Background)		As		Pb				
Range	2,970-3,580 cpm		Point	3,441 cpm				14,648 cpm		24 ppm		400 ppm				
Depth (ft)	Advanced (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log				
0	5	2.5		SW	10UR2/1	Wet	Fine Sands, Well Sorted.	0.0	< 5.6	61	3,460					
1																
2																
3																
4																
5							Very Fine Sand and Silt, Well Sorted.	0.0	15	139	3,390					
6	5	4.5		SW	10YR3/1		Fine Sands, Well Sorted, Some Gravel.	0.0	15	230	3,475					
7																
8																
9																
10												10YR5/6	Moist	0.0	< 3.6	8.3
						Dry										

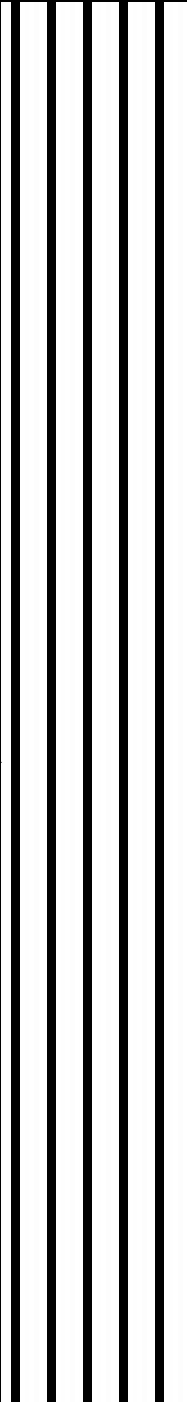

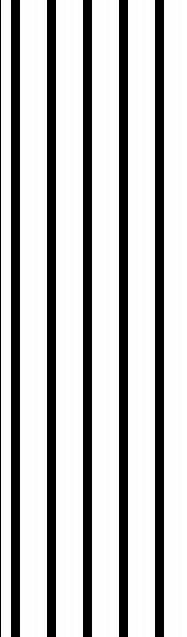
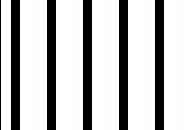
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		CC-C-037		Instrument:		Model Number			Serial Number				
GEOLOGIST:		DNE		PID:		RAE Systems - PGM7600			110-009576				
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000			500301				
WEATHER:		Sunny 36°F		Scaler:		Ludlum 12 / 44-9			186760 / PR153303				
Drilling Method:		Direct Push			Borehole Diameter:		2 Inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 Feet						
Start Time:		13:30			Completion Time:		13:55						
Start Date:		2/14/2014			Completion Date:		2/14/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		Rad (2X Background)		As		Pb	
Range		2,940-3,320 cpm		Point				3,000 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advanced (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	5		SW	10YR7/6	Dry	Well Graded Fine Sands, Some Gravel.	0.0	6.1	6.5	3,490		
1								0.0	< 5.0	26	3,425		
2													
3													
4					10YR5/6		0.0	< 5.0	26	3,425			
5	10YR5/3	0.0	< 5.4	27	3,360								
6	5	5		SC	10YR4/3	Wet	Silty Clay.	0.0	9.3	19	3,505		
7													
8													
9													
10	SW	10YR2/1	0.0	< 9	135	4,025							



SOIL BORING LOG SHEET														
BOREHOLE NUMBER:		CC-C-042		Instrument		Model Number				Serial Number				
GEOLOGIST:		TF		PID:		RAE Systems - PGM7600				110-009576				
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301				
WEATHER:		Sun 35°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303				
Drilling Method:		Direct Push				Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston				Borehole Depth:		10 feet						
Start Time:		10:00				Commpletion Time:		10:40						
Start Date:		2/20/2014				Completion Date:		2/20/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb		
Range		2,235-3,520 cpm		Point				2,715 cpm		14,648 cpm		24 ppm		400 ppm
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log		USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3			SM	10YR3/2	Moist	Silty Sand, Rock	0.0	32	200	3,145		
1														
2														
3														
4														
5	5	3.5			SM	10YR6/6	Wet	Fine-Medium Silty Sand with Pebbles	0.2	5	8	3,060		
6														
7														
8														
9														
10	0.0	3.4	15.4	3,180										
					10YR2/1			0.0	4.9	5.8	3,020			



SOIL BORING LOG SHEET														
BOREHOLE NUMBER:		CC-C-043		Instrument		Model Number				Serial Number				
GEOLOGIST:		TF		PID:		RAE Systems - PGM7600				110-009576				
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301				
WEATHER:		Sun 35°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303				
Drilling Method:		Direct Push				Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston				Borehole Depth:		12 feet						
Start Time:		10:35				Commpletion Time:		11:00						
Start Date:		2/20/2014				Completion Date:		2/20/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb		
Range		2,690-3,380cpm		Point				3,242 cpm		14,648 cpm		24 ppm		400 ppm
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log		USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3			SM	10YR3/4	Moist	Fine Silty Sand with Gravel	0.0	7	111	3,030		
1									0.0	7	111	3,030		
2									0.0	<3	93	2,835		
3									0.0	<25	60	2,910		
4									0.5	22	409	3,080		
5	0.0	13	88	2,980										
6	0.0	<25	60	2,910										
7	0.5	22	409	3,080										
8	5	4			SM	10YR3/4	Moist	Fine Silty Sand with Gravel	0.0	13	88	2,980		
9									0.0	13	88	2,980		
10									0.0	<25	60	2,910		
11	2	3			SW	10YR2/1	Wet	Fine Sand, Rock	0.0	4.1	18	3140		
12									0.0	4.1	18	3140		

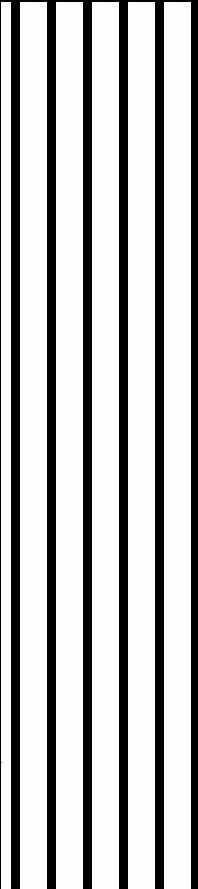

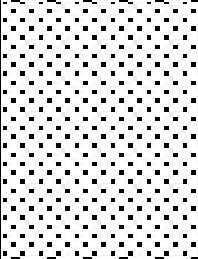
SOIL BORING LOG SHEET																
BOREHOLE NUMBER:		CC-C-044		Instrument		Model Number				Serial Number						
GEOLOGIST:		TF		PID:		RAE Systems - PGM7600				110-009576						
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301						
WEATHER:		Sun 35°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303						
Drilling Method:		Direct Push			Borehole Diameter:		2 inch									
Sampling Method:		Closed Piston			Borehole Depth:		10 feet									
Start Time:		11:10			Commpletion Time:		11:35									
Start Date:		2/20/2014			Completion Date:		2/20/2014									
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb				
Range		3,195-4,210 cpm		Point				3,502 cpm		14,648 cpm		24 ppm		400 ppm		
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log				
0	5	4		SM	10YR3/3	Moist	Brick, Fine-Medium Sandy Silt	0.8	8	82	3,155					
1																
2																
3																
4																
5								0.0	4.1	6.4	2,920					
6	5	4		SW	10YR6/6		Fine-Medium Sand with Gravel	0.0	14.8	5.8	2,950					
7																
8																
9																
10																
						10YR2/1	Wet		0.0	42.8	6.7	3,160				

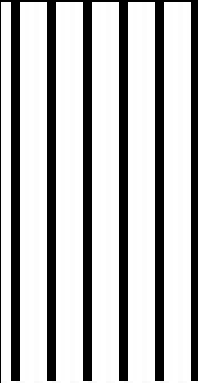

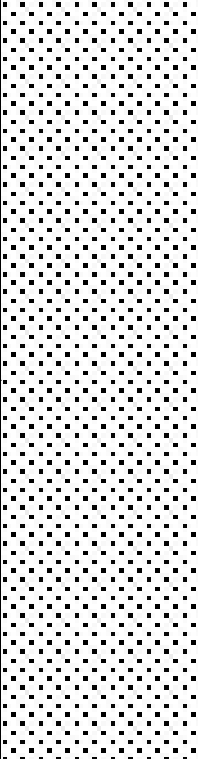
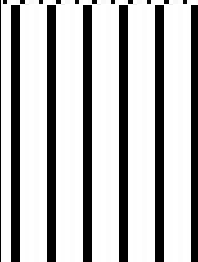
SOIL BORING LOG SHEET																
BOREHOLE NUMBER:		CC-C-045		Instrument		Model Number				Serial Number						
GEOLOGIST:		TF		PID:		RAE Systems - PGM7600				110-009576						
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301						
WEATHER:		Sun 35°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303						
Drilling Method:		Direct Push			Borehole Diameter:		2 inch									
Sampling Method:		Closed Piston			Borehole Depth:		10 feet									
Start Time:		11:40			Commpletion Time:		12:10									
Start Date:		2/20/2014			Completion Date:		2/20/2014									
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb				
Range		3,165-4,080 cpm		Point				3,227 cpm		14,648 cpm		24 ppm		400 ppm		
Depth (ft)		Advance (ft)	Recovery (ft)	Graphic Log		USCS Code	Soil Color	Moisture Content	Soil Description		PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0		5	3.5			SM	10YR3/3	Moist	Fine-Medium Sandy Silt with Gravel		0.0	7	82	3,145		
1																
2																
3																
4																
5		5	2			10YR3/2	Wet	Fine-Medium Sandy Silt with Pebbles		0.0	6	89	3,090			
6																
7																
8																
9																
10		5	2	10YR3/2	Wet	Fine-Medium Sandy Silt with Pebbles		0.5	8	81	3,160					
6																
7																
8																
9																
10																

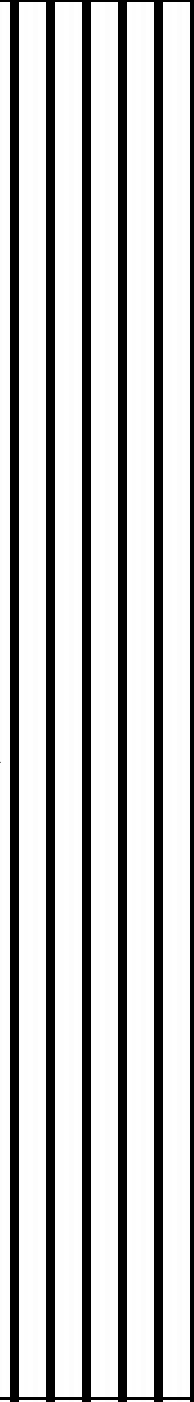

SOIL BORING LOG SHEET																
BOREHOLE NUMBER:		CC-C-046		Instrument		Model Number				Serial Number						
GEOLOGIST:		TF		PID:		RAE Systems - PGM7600				110-009576						
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301						
WEATHER:		Sun 35°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303						
Drilling Method:		Direct Push				Borehole Diameter:		2 inch								
Sampling Method:		Closed Piston				Borehole Depth:		10 feet								
Start Time:		12:30				Commpletion Time:		13:00								
Start Date:		2/20/2014				Completion Date:		2/20/2014								
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb				
Range		3,160-4,220 cpm		Point				3,181 cpm		14,648 cpm		24 ppm		400 ppm		
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log		USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log			
0	5	4			SM		Moist	Fine-Medium Sandy Silt with Gravel, Some Rock	0.0	5	69	3,085				
1																
2																
3																
4																
5	5	4.5			10YR2/2		Wet		0.0	7	110	3,000				
6																
7																
8																
9																
10					10YR2/1				0.0	13	32	2,980				


SOIL BORING LOG SHEET																
BOREHOLE NUMBER:		CC-C-047		Instrument		Model Number				Serial Number						
GEOLOGIST:		TF		PID:		RAE Systems - PGM7600				110-009576						
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301						
WEATHER:		Sun 35°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303						
Drilling Method:		Direct Push			Borehole Diameter:		2 inch									
Sampling Method:		Closed Piston			Borehole Depth:		12 feet									
Start Time:		13:30			Commpletion Time:		13:55									
Start Date:		2/20/2014			Completion Date:		2/20/2014									
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb				
Range		3,360-4,475 cpm		Point				3,906 cpm		14,648 cpm		24 ppm		400 ppm		
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log		USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log			
0	5	4	<div></div>		SM	10YR3/3	Moist	Fine-Medium Silty Sand with Gravel	0.0	<3	113	3,075	<div></div> 			
1																
2																
3																
4																
5																
6	5	4.5				10YR4/4	Wet	Fine-Medium Silty Sand with Pebbles	0.0	5	140	3,185			<div></div> 	
7																
8																
9																
10																
11	2	4				10YR2/1			0.0	7.3	5.5	3165				
12																

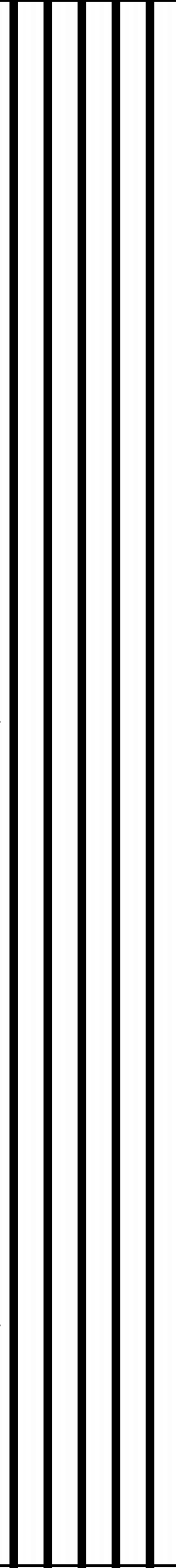

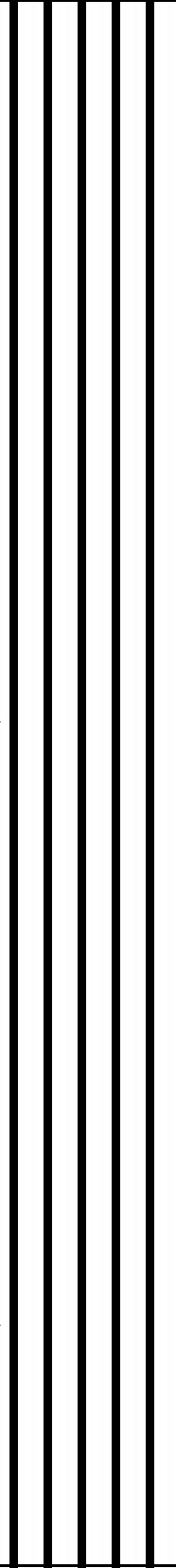

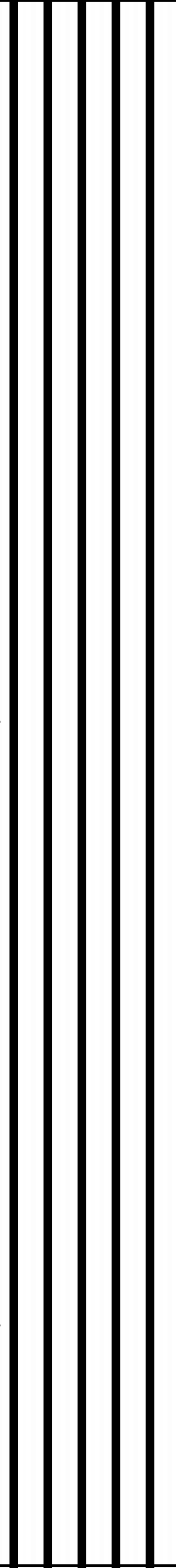

SOIL BORING LOG SHEET														
BOREHOLE NUMBER:		CC-C-048		Instrument		Model Number				Serial Number				
GEOLOGIST:		TF		PID:		RAE Systems - PGM7600				110-009576				
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301				
WEATHER:		Mist 37°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303				
Drilling Method:		Direct Push			Borehole Diameter:		2 inch							
Sampling Method:		Closed Piston			Borehole Depth:		12 feet							
Start Time:		8:25			Commpletion Time:		8:55							
Start Date:		2/21/2014			Completion Date:		2/21/2014							
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb		
Range		3,160-3,525 cpm		Point				2,587 cpm		14,648 cpm		24 ppm		400 ppm
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log		USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4	<div></div>		SM	10YR5/6	Moist	Fine-Medium Silty Sand with Gravel	0.0	<1.7	12	2,750	<div></div> 	
1														
2														
3														
4														
5														
6	5	4				10YR4/1			0.0	4	68	2,795		
7														
8														
9														
10														
11	2	2.5			10YR2/1	0.0	15	194	2,820	<div></div> 				
12			Wet	Fine-Medium Silty Sand with Pebbles								0.0	8	136

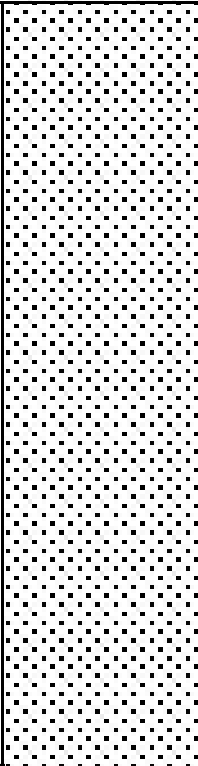


SOIL BORING LOG SHEET																													
BOREHOLE NUMBER:		CC-C-049		Instrument		Model Number				Serial Number																			
GEOLOGIST:		TF		PID:		RAE Systems - PGM7600				110-009576																			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301																			
WEATHER:		Mist 37°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303																			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch																					
Sampling Method:		Closed Piston				Borehole Depth:		10 feet																					
Start Time:		9:50				Commpletion Time:		10:20																					
Start Date:		2/21/2014				Completion Date:		2/21/2014																					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb																	
Range		2,525-3,195 cpm		Point				3,557 cpm		14,648 cpm		24 ppm		400 ppm															
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log																	
0	5	4.5		SM	10YR3/4	Moist	Fine-Medium Silty Sand with Gravel	0.0	36	211	2,670																		
3															0.0	5	113	2,625											
																			5	0.0	<1.8	32	2,835						
6								5	4.5		SW				10YR3/1	Wet	Fine Sand with Gravel	0.5						<1.7	12.6	2,910			
																											8	9	10

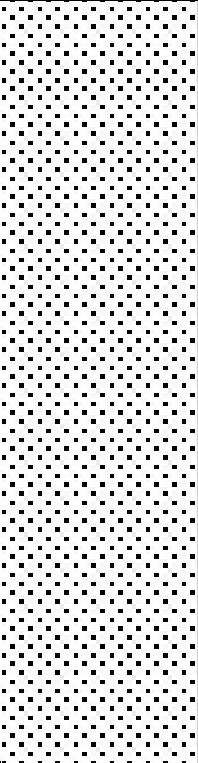

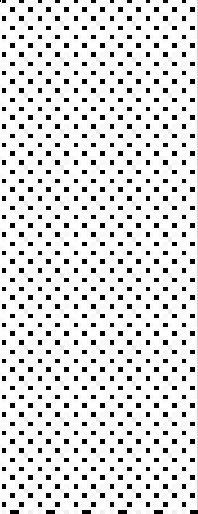



SOIL BORING LOG SHEET																
BOREHOLE NUMBER:		CC-C-050		Instrument		Model Number				Serial Number						
GEOLOGIST:		TF		PID:		RAE Systems - PGM7600				110-009576						
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301						
WEATHER:		Mist 37°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303						
Drilling Method:		Direct Push			Borehole Diameter:		2 inch									
Sampling Method:		Closed Piston			Borehole Depth:		10 feet									
Start Time:		9:25			Commpletion Time:		9:50									
Start Date:		2/21/2014			Completion Date:		2/21/2014									
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb				
Range		3,210-4,090 cpm		Point				3,554 cpm		14,648 cpm		24 ppm		400 ppm		
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log				
0	5	3		SM	10YR4/2	Moist	Fine-Medium Silty Sand with Gravel	0.0	10	211	2,710					
1																
2																
3																
4																
5																
6	5	4.5		SW			Fine-Medium Sand with Gravel	0.0	<1.8	10	2,480					
7																
8																
9																
10																
				SM	10YR2/1	Wet	Fine Silty Sand with Gravel	0.0	9	34	2,675					

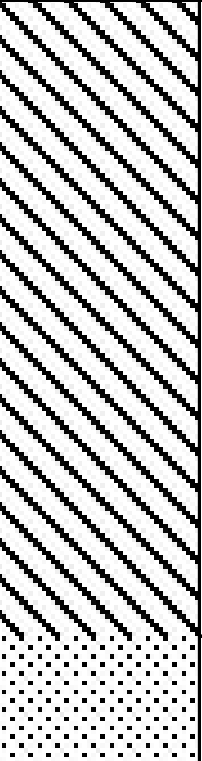

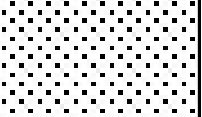
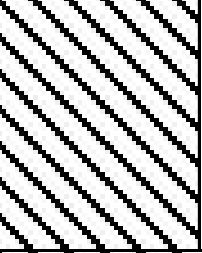
SOIL BORING LOG SHEET														
BOREHOLE NUMBER:		CC-C-051		Instrument		Model Number				Serial Number				
GEOLOGIST:		TF		PID:		RAE Systems - PGM7600				110-009576				
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301				
WEATHER:		Mist 37°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303				
Drilling Method:		Direct Push			Borehole Diameter:		2 inch							
Sampling Method:		Closed Piston			Borehole Depth:		10 feet							
Start Time:		10:50			Commpletion Time:		11:40							
Start Date:		2/21/2014			Completion Date:		2/21/2014							
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb		
Range		3,040-4,260 cpm		Point				3,389 cpm		14,648 cpm		24 ppm		400 ppm
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log		USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4			SM	10YR4/3	Moist	Medium Silty Sand with Gravel	0.0	5.2	29	2,590		
1									0.0	15	359	2,680		
2														
3														
4														
5	5	4			SM	10YR2/2	Moist	Medium Silty Sand with Gravel	0.0	15	304	2,570		
6									0.5	24	264	2,620		
7														
8														
9														
10	5	4	SM	10YR2/1	Wet	Fine-Medium Silty Sand, Trace Rock	0.0	8	149	2,530				

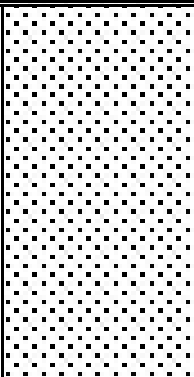

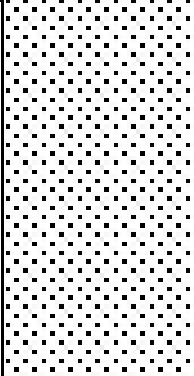
SOIL BORING LOG SHEET														
BOREHOLE NUMBER:		CC-C-052		Instrument		Model Number				Serial Number				
GEOLOGIST:		TF		PID:		RAE Systems - PGM7600				110-009576				
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301				
WEATHER:		Mist 37°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303				
Drilling Method:		Direct Push				Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston				Borehole Depth:		10 feet						
Start Time:		11:50				Commpletion Time:		12:20						
Start Date:		2/21/2014				Completion Date:		2/21/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb		
Range		3,130-3,560 cpm		Point				3,560 cpm		14,648 cpm		24 ppm		400 ppm
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log		USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	5	<div></div>		SM	10YR4/2	Dry	Fine-Medium Silty Sand with Gravel, Trace Rock	0.0	67	26	2,560	<div></div> 	
1														
2														
3														
4														
5	5	5	<div></div>		SM	10YR3/2	Dry	Fine-Medium Silty Sand with Gravel, Trace Rock	0.0	20	73	2,450	<div></div>	
6														
7														
8														
9														
10	5	5	<div></div>		SM	10YR5/1	Moist	Fine-Medium Silty Sand with Gravel, Trace Rock	0.0	10	144	2,400	<div></div>	
6														
7														
8														
9														
10	5	5	<div></div>		SM	10YR2/1	Wet	Fine-Medium Silty Sand with Gravel, Trace Rock	0.0	24	58	2,465	<div></div>	
6														
7														
8														
9														

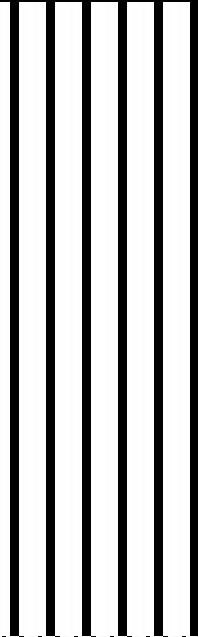

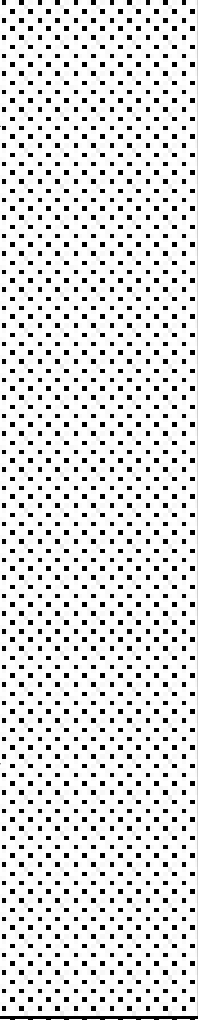
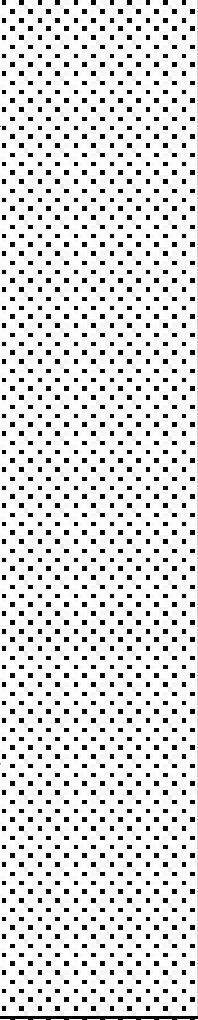
SOIL BORING LOG SHEET															
BOREHOLE NUMBER:		LT-XC-001		Instrument		Model Number				Serial Number					
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576					
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301					
WEATHER:		Sunny 38°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303					
Drilling Method:		Direct Push			Borehole Diameter:		2 inch								
Sampling Method:		Closed Piston			Borehole Depth:		12 feet								
Start Time:		10:01			Commpletion Time:		10:35								
Start Date:		1/13/2014			Completion Date:		1/13/2014								
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb			
Range		6,300-8,500 cpm		Point				7,292 cpm		14,648 cpm		24 ppm		400 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log		USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log		
0	5	2.5			SM	10YR6/6	Wet	Silty Sand, Some Gravel	0.0	< 2	6	8300			
1															
2															
3															
4															
5	5	2			SM	10YR5/8	Wet	Silty Sand, Some Gravel	0.0	4	33	8450			
6															
7															
8															
9															
10	2	2			SM	10YR4/1	Wet	Silty Sand, Some Gravel	0.0	< 3	9	8400			
11															
12															
						10YR5/1	Wet	Silty Sand, Some Gravel	0.0	< 1.5	9	8150			
						10YR7/8			0.0	3.9	10	8000			
							Wet	Silty Sand, Some Gravel	0.0	< 1.3	6.5	7850			

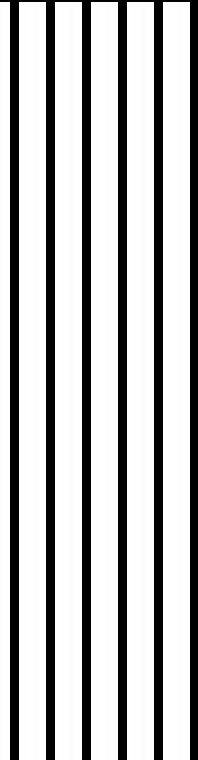

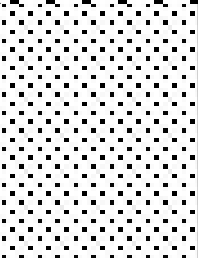
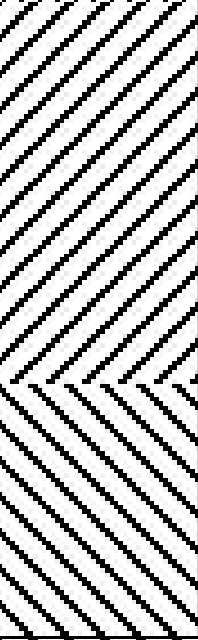
SOIL BORING LOG SHEET																	
BOREHOLE NUMBER:		LT-XC-002		Instrument		Model Number				Serial Number							
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576							
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301							
WEATHER:		Sunny 38°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303							
Drilling Method:		Direct Push			Borehole Diameter:		2 inch										
Sampling Method:		Closed Piston			Borehole Depth:		10 feet										
Start Time:		11:08			Commpletion Time:		11:35										
Start Date:		1/13/2014			Completion Date:		1/13/2014										
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb					
Range		5,100-6,400 cpm		Point				5,865 cpm		14,648 cpm		24 ppm		400 ppm			
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log					
0	5	3		SW-SM	10YR4/6	Wet	Medium Sands, Some Fines, Some Gravel	0.0	3.4	8.2	7600						
2																	
3																	
4																	
5				SW	10YR6/6												
6	5	4			10YR4/6												
7																	
8																	
9																	
10							CL	10YR7/2		Clay	0.0	< 1.8	19	7980			

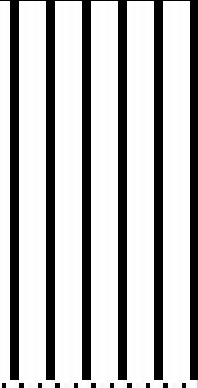

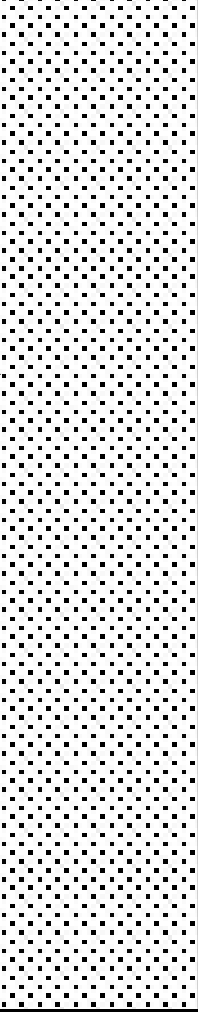
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BOREHOLE NUMBER:		LT-XC-003		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sunny 38°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 feet						
Start Time:		11:46			Commpletion Time:		12:05						
Start Date:		1/13/2014			Completion Date:		1/13/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		5,200-6,700 cpm		Point				5,909 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3.5		SW	10YR5/6	Moist	Medium-Course Sands, Some Gravel	0.0	< 1.8	13	7100		
1					0.0			< 3	< 4	7380			
2					0.0			1.0	< 1.3	6200			
3					0.0			< 1	4.5	6000			
4					0.0			< 1.7	< 2	6400			
5	5	3.5		SW	10YR7/8	Wet	Clay	0.0	< 1	4.5	6000		
6					0.0			< 1.7	< 2	6400			
7					0.0			< 1.7	< 2	6400			
8					0.0			< 1.7	< 2	6400			
9					0.0			< 1.7	< 2	6400			
10	5	3.5		CL	10YR6/8	Wet	Clay	0.0	< 1.7	< 2	6400		
6				0.0	< 1.7			< 2	6400				
7				0.0	< 1.7			< 2	6400				
8				0.0	< 1.7			< 2	6400				
9				0.0	< 1.7			< 2	6400				

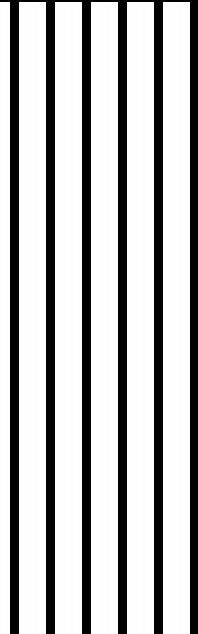

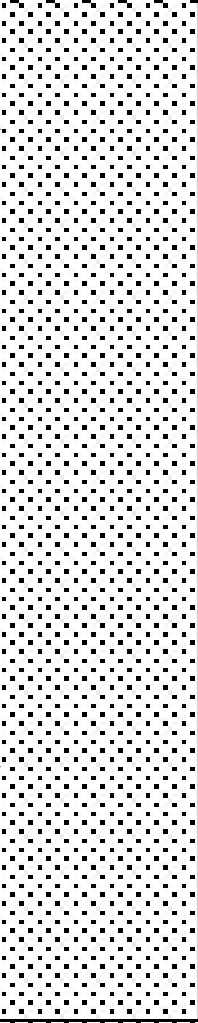
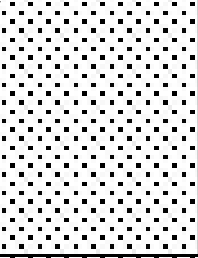
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-XC-004		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sunny 38°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		13:50			Commpletion Time:		14:10						
Start Date:		1/13/2014			Completion Date:		1/13/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		6,100-7,400 cpm		Point				6,840 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	5		CL	10YR4/4	Dry	Clay	0.0	< 2	16	5800		
1								0.0	15	11	6500		
2													
3													
4				10YR5/3	Medium Sands with Silt, Trace Gravel		0.0	8	21	5900			
5	10YR4/3												
6	5	5		SW-SM	10YR3/4		Clay						
7				10YR5/6	10YR4/4								
8													
9													
10													
11	2	2		CL	10YR3/3		0.0	6	10	6400			
12													

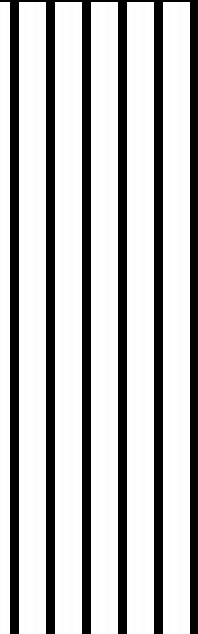

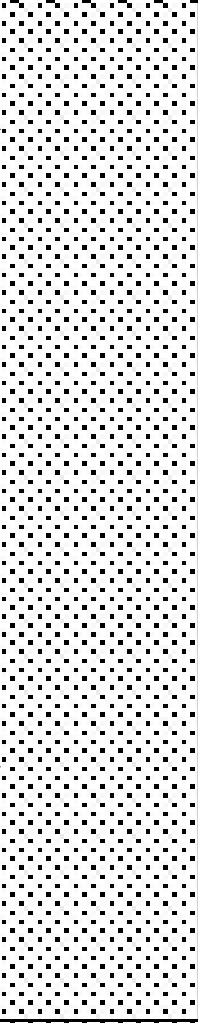
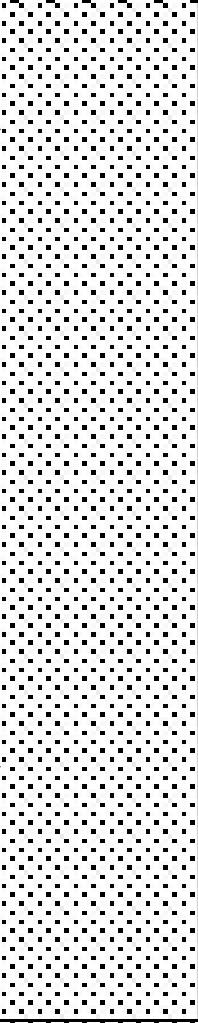
SOIL BORING LOG SHEET														
BOREHOLE NUMBER:		LT-XC-005		Instrument		Model Number				Serial Number				
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576				
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301				
WEATHER:		Sunny 3°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303				
Drilling Method:		Direct Push			Borehole Diameter:		2 inch							
Sampling Method:		Closed Piston			Borehole Depth:		10 feet							
Start Time:		10:00			Commpletion Time:		10:40							
Start Date:		1/23/2014			Completion Date:		1/23/2014							
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels			RAD (2X Background)		As		Pb	
Range		5,920-6,610 cpm		Point					6,363 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log		
0	5	3		SW	10YR4/4	Moist	Well Graded Fine Sand with Little Gravel	0.0	11	33	6,250			
1				SW	10YR4/4		Well Graded Fine Sand with Little Gravel	0.0	11	33	6,250			
2				SW	10YR4/4		Well Graded Fine Sand with Little Gravel	0.0	11	33	6,250			
3				SC	10YR4/1		Clayey Sand	0.0	4	18	7,180			
4				SC	10YR4/1		Clayey Sand	0.0	4	18	7,180			
5	SW	10YR4/3	Well Graded Medium Sand with Gravel	0.0	3.1	7.7	7,000							
6	5	4.5		SW	10YR4/3	Wet	Well Graded Medium Sand with Gravel	0.0	3.1	7.7	7,000			
7				SW-SM	10YR4/1		Well Graded Medium Sand with Silt and Gravel	0.0	4	8.3	6,950			
8				SW-SM	10YR4/1		Well Graded Medium Sand with Silt and Gravel	0.0	4	8.3	6,950			
9				SM	10YR4/1		Silty Sand	0.0	14.3	13	7,090			
10				SW	10YR4/1		Well Graded Medium Sand with Gravel	0.0	14.3	13	7,090			

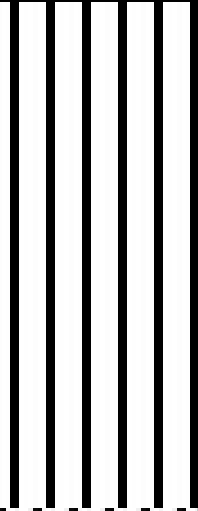
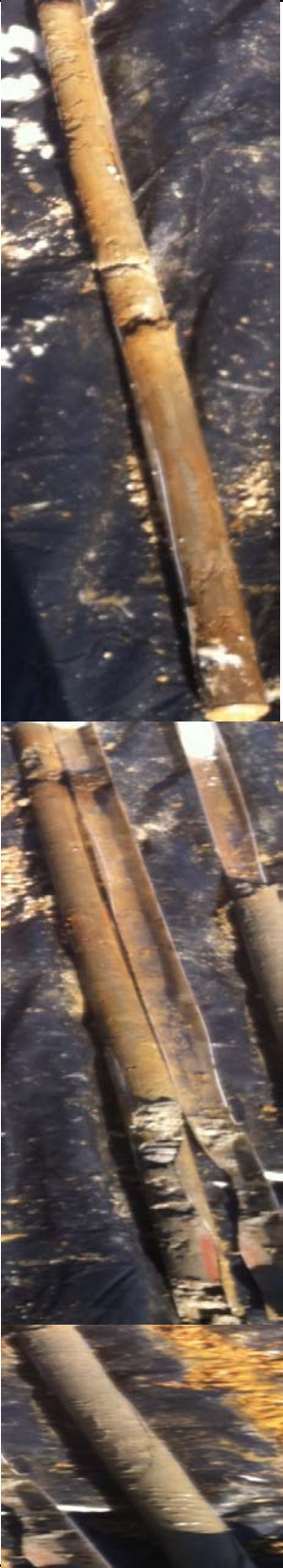
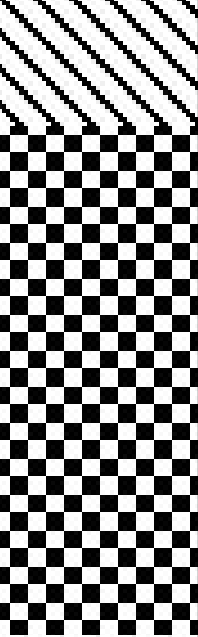
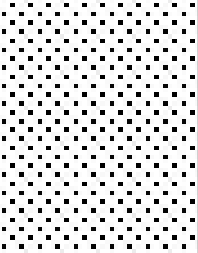
SOIL BORING LOG SHEET														
BOREHOLE NUMBER:		LT-XC-006		Instrument		Model Number				Serial Number				
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576				
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301				
WEATHER:		Sunny 3°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303				
Drilling Method:		Direct Push				Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston				Borehole Depth:		12 feet						
Start Time:		10:48				Commpletion Time:		11:10						
Start Date:		1/23/2014				Completion Date:		1/23/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels			RAD (2X Background)		As		Pb	
Range		5,150-6,730 cpm		Point					6,485 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log		
0	5	3.5		SM	10YR4/3	Moist	Silty Sand with Gravel	0.0	14	33	6,250			
1								0.0	6	24	6,390			
2														
3														
4														
5	5	4		SW	10YR4/4	Wet	Well Graded Medium Sand with Gravel	0.0	9	11	6,490			
6					0.0			7	5	6,350				
7														
8														
9														
10					2			2.5		SW	10YR3/3		Wet	Well Graded Medium Sand with Gravel
11	10YR4/4	0.0	5	<3		6810								
12														

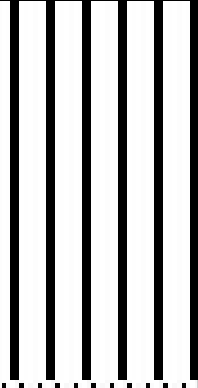

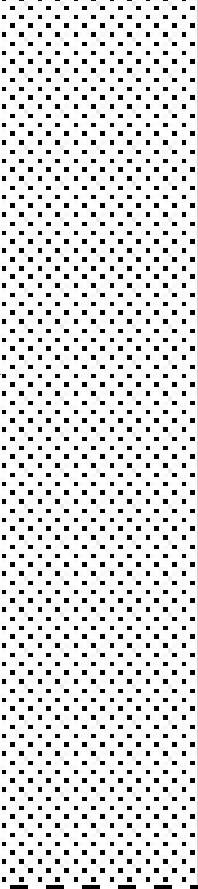
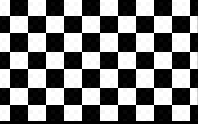
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-XC-007		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sunny 11°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch					
Sampling Method:		Closed Piston				Borehole Depth:		12 feet					
Start Time:		11:20				Commpletion Time:		11:55					
Start Date:		1/24/2014				Completion Date:		1/24/2014					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		6,180-7,150 cpm		Point				6,959 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		SM	10YR4/3	Moist	Silty Sand with Gravel	0.0	17	23	6,150		
1					10YR4/1								
2													
3					10YR4/6								
4													
5	10YR5/1	Silty Sand	0.0	5	23	5,970							
6	5	4		SW	10YR4/6	Well Graded Medium Sand with Little Gravel	0.0	33	36	6,200			
7					10YR5/1						Well Graded Coarse Sand with Gravel		
8				SC	10YR3/2	Wet	Clayey Sand	0.0	5	12	6,180		
9													
10													
11	2	2		CL	10YR4/1	Clay	0.0	3.6	17	5820			
12													

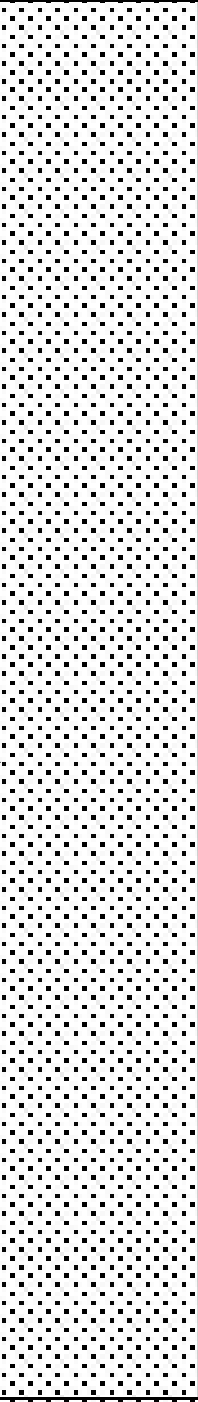

SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-XC-008		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sunny 3°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 feet						
Start Time:		12:20			Commpletion Time:		12:50						
Start Date:		1/23/2014			Completion Date:		1/23/2014						
MARRSIM Walkover Survey (10'X10')					Monitoring Action levels			RAD (2X Background)		As		Pb	
Range		5,200-6,200 cpm		Point				5,793 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		SM	10YR3/1	Moist	Wood, Grass, Silty Sand with Gravel	0.0	3.3	17	5,940		
1													
2													
3			SW	10YR3/3	Wet	Well Graded, Medium Sand with Gravel	0.0	<2	9	6,090			
4													
5	10YR4/4	Moist		White rock, Well Graded Medium Sand with Gravel	0.0	<5	9	6,130					
6													
7	5	5											
8													
9													
10													

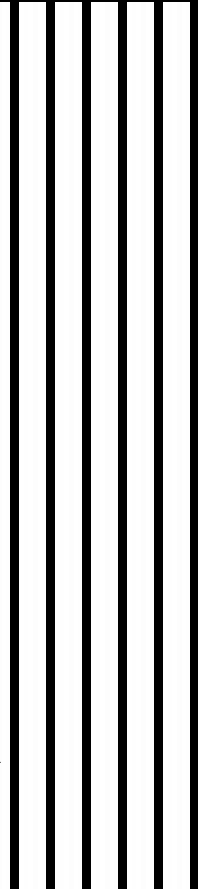

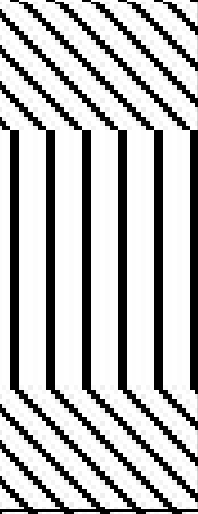
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-XC-009		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sunny 3°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		13:20			Commpletion Time:		14:00						
Start Date:		1/23/2014			Completion Date:		1/23/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		6,330-7,410 cpm		Point				7,453 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		SM	10YR4/6	Moist	Silty Sand	0.0	7	12	6,100		
1								0.0	<3	15	6,250		
2													
3													
4													
5	5	3		SW-SM	10YR5/4	Moist	Well Graded Medium Sand with Silt and Gravel	0.0	6	9	6,330		
6					0.0			2	23	6,210			
7													
8													
9					2			2		SW	10YR3/2		Wet
10	0.0	2.6	7	5960									
11													
12													

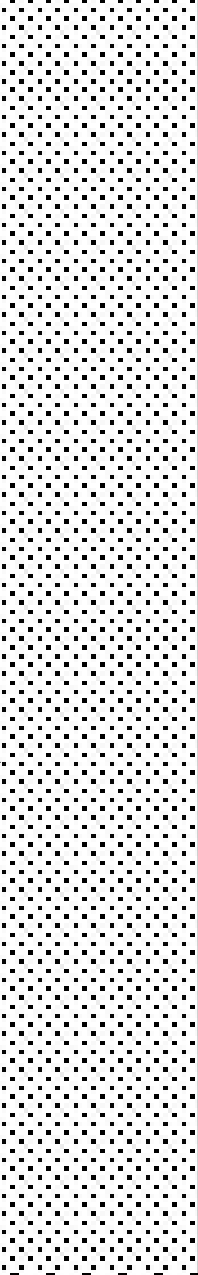

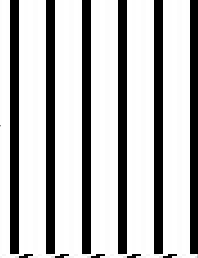
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-XC-010		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sunny 9°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch					
Sampling Method:		Closed Piston				Borehole Depth:		12 feet					
Start Time:		8:00				Commpletion Time:		9:30					
Start Date:		1/24/2014				Completion Date:		1/24/2014					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		6,050-6,680 cpm		Point				6,371 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	5		SM	10YR4/3	Dry	Silty Sand with Gravel	0.0	10	16	6,110		
1													
2													
3													
4													
5	5	4		SW-SM	10YR5/3	Moist	Well Graded Medium Sand with Silt and Gravel	0.0	<8	26	6,290		
6													
7				SW	10YR5/2	Moist	Well Graded Medium Sand with Gravel	0.0	<2	10	5,980		
8													
9													
10	2	3		SW	10YR5/2	Moist	Well Graded Medium Sand with Gravel	0.0	2.5	11	6,190		
11													
12													
					10YR4/6	Wet	Wel Graded Coarse Sand with Gravel	0.0	<3	11	6300		

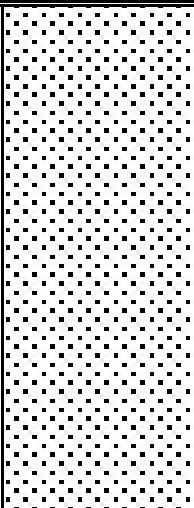

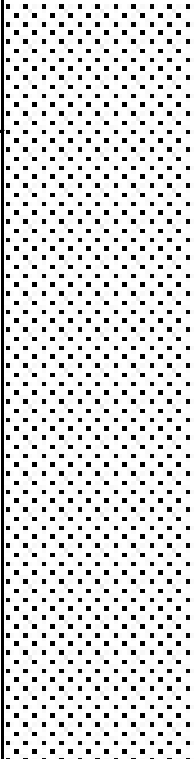
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-XC-011		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sunny 9°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch					
Sampling Method:		Closed Piston				Borehole Depth:		12 feet					
Start Time:		9:45				Commpletion Time:		10:40					
Start Date:		1/24/2014				Completion Date:		1/24/2014					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		6,730-7,150 cpm		Point				6,391 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3		SM	10YR5/4	Dry	Silty Sand with Gravel	0.0	9.3	16	7,140		
1								0.0	28	46	7,255		
2													
3													
4													
5	5	5		CL	10YR4/3		Clay	0.0	<5	25	7,020		
6								0.0	<4	24	7,080		
7													
8													
9													
10	5	5		SW-SM	10YR5/1		Well Graded Medium Sand with Silt and Gravel	0.0	19	28	6,900		
11								0.0	<10	23	6810		
12													

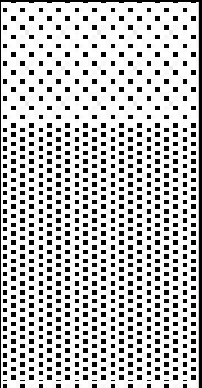
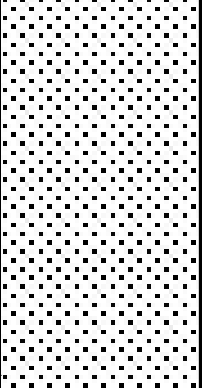
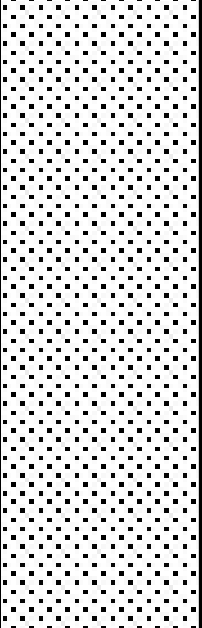
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-XC-012		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sunny 9°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch					
Sampling Method:		Closed Piston				Borehole Depth:		10 feet					
Start Time:		10:50				Commpletion Time:		11:25					
Start Date:		1/24/2014				Completion Date:		1/24/2014					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		4,140-5,660 cpm		Point				4,624 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		SM	10YR4/4	Moist	Wood, Rock, Silty Sand with Gravel	0.0	4	13	6,690		
1													
2													
3													
4													
5													
6	5	4		SW-SM	10YR4/3	Moist	Well Graded Medium Sand with Silt and Gravel	0.0	2.3	16	6,540		
7													
8													
9													
10													
10	5	4		ML	10YR3/3	Wet	Silt	0.0	11	26	6,590		

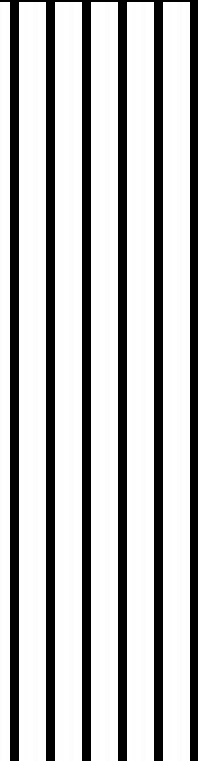

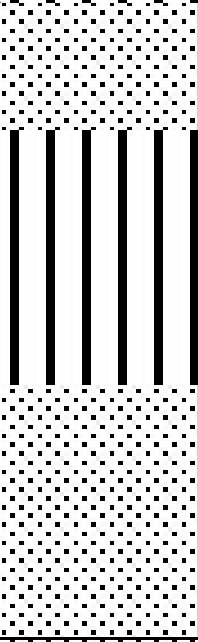
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BOREHOLE NUMBER:		LT-XC-013		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Partly Cloudy 21 °		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 feet						
Start Time:		9:15			Commpletion Time:		10:00						
Start Date:		2/6/2014			Completion Date:		2/6/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		4,150-5,180 cpm		Point				4,349 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		SW	10YR5/4	Moist	Well Graded Medium Sand with Gravel	0.0	<1.6	8.9	3,975		
1								0.0	9.6	15	3,590		
2													
3													
4					10YR5/3	Well Graded Fine-Medium Sand with Gravel	0.0	7	2.5	4,650			
5	10YR5/8	Wet		Well Graded Fine-Medium Sand with Gravel	0.0		3.6	6.5	4,040				
6					0.0		<3	5.1	4,360				
7													
8													
9					5	2.5	SW	10YR5/8	Wet	Well Graded Fine-Medium Sand with Gravel	0.0		<3
10													

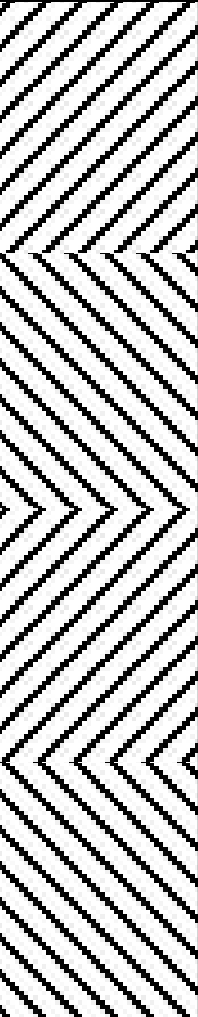

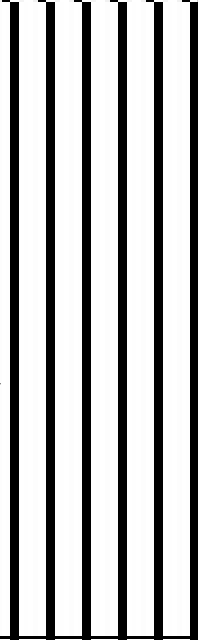
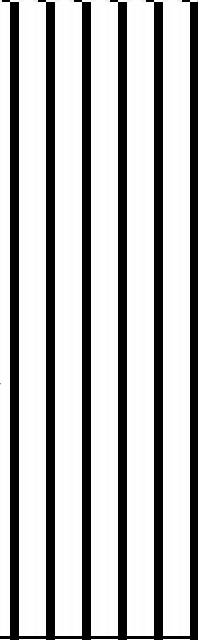
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BOREHOLE NUMBER:		LT-XC-014		Instrument		Model Number				Serial Number									
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576									
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301									
WEATHER:		Partly Cloudy 21 °		SCALER:		Ludlum 12 / 44-9				186760 / PR153303									
Drilling Method:		Direct Push			Borehole Diameter:		2 inch												
Sampling Method:		Closed Piston			Borehole Depth:		10 feet												
Start Time:		10:00			Commpletion Time:		10:45												
Start Date:		2/6/2014			Completion Date:		2/6/2014												
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb							
Range		4,150-5,180 cpm		Point				4,349 cpm		14,648 cpm		24 ppm		400 ppm					
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log							
0	5	3		SM	10YR3/3	Dry	Concrete, Silty Sand with Gravel	0.0	17	24	4,390								
1																			
2																			
3																			
4																			
5	5	5		10YR3/1	Moist	Well Graded Fine Sand with Silt	0.0	30	52	4,715									
6																			
7											SW-SM		10YR2/1	Wet	Well Graded Medium Sand with Silt and Gravel	0.0	<1.4	6.7	4,280
8											SM								
9											SW-SM				10YR5/1				
10																			

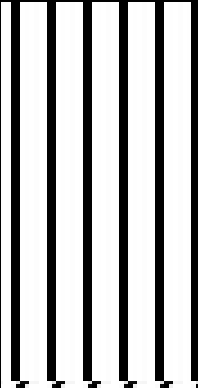

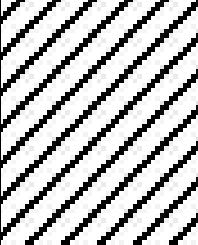
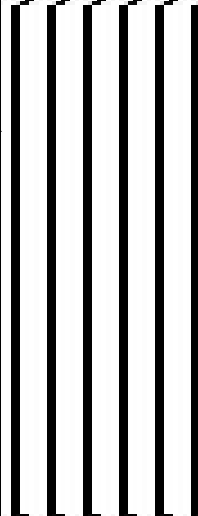
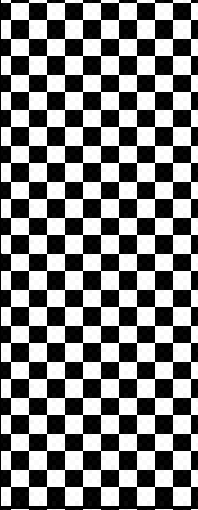
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-XC-017		Instrument		Model Number				Serial Number			
GEOLOGIST:		DNE		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Fair 22°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		8:15			Commpletion Time:		9:26						
Start Date:		2/10/2014			Completion Date:		2/10/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		3,780-4,320 cpm		Point				3,759 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3.5		SW	10YR5/8	Moist	Medium-Fine Sands, Gravel, Trace Silt.	0.0	6.8	17	3,960		
1													
2													
3													
4													
5	10YR2/2	0.0	7	56	4,220								
6	5	4.5		10YR2/1	Wet	Medium-Fine Sands, Some Gravel, trace Silt.	0.0	32	78	4,200			
7													
8													
9													
10							SM	10YR2/2	Moist	Fine Sands & Organic Material.	0.0		52
11	Wet	Fine Sands & Silt.											
12	SC	10YR4/1	Moist	Clayey Sand.	0.0	19			18	3920			

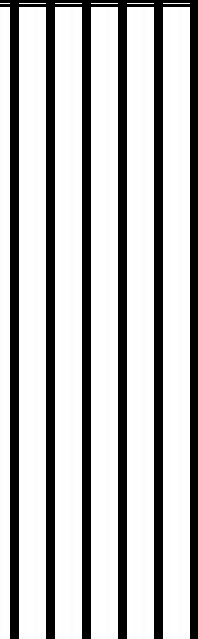

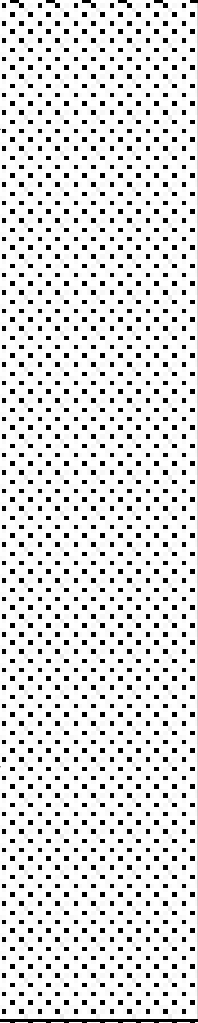
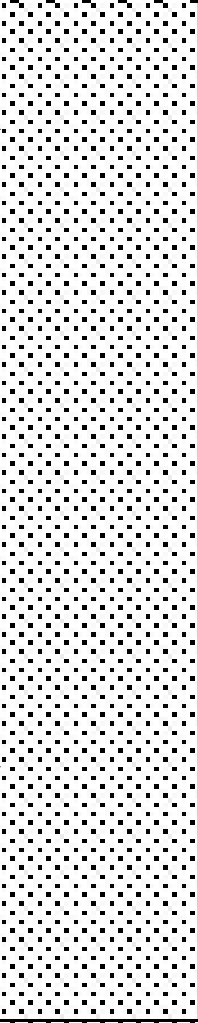
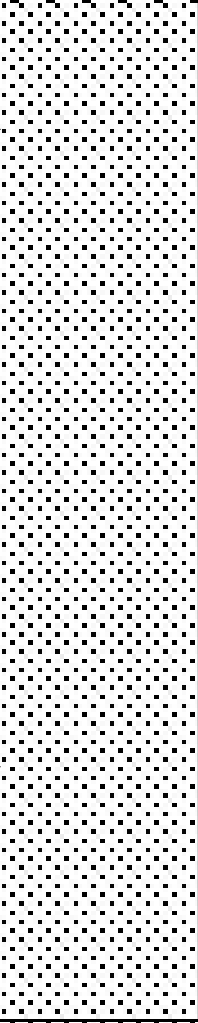
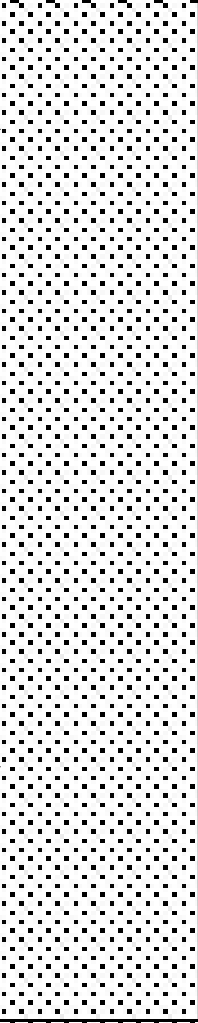
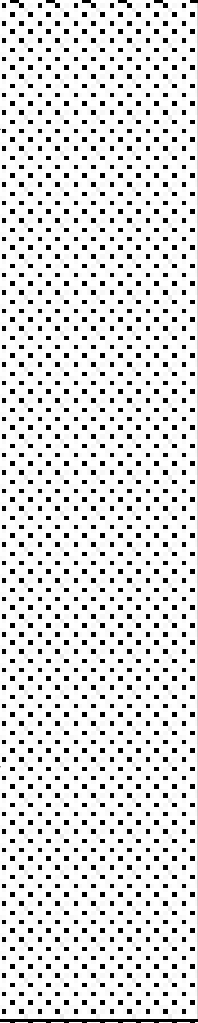
SOIL BORING LOG SHEET															
BOREHOLE NUMBER:		LT-XC-018		Instrument		Model Number				Serial Number					
GEOLOGIST:		DNE		PID:		RAE Systems - PGM7600				110-009576					
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301					
WEATHER:		Fair 22°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303					
Drilling Method:		Direct Push			Borehole Diameter:		2 inch								
Sampling Method:		Closed Piston			Borehole Depth:		12 feet								
Start Time:		8:45			Commpletion Time:		9:59								
Start Date:		2/10/2014			Completion Date:		2/10/2014								
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb			
Range		3,630-4,390 cpm		Point				3,674 cpm		14,648 cpm		24 ppm		400 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log			
0	5	3.5		SW	10YR4/3	Dry	Medium Fine Sands, trace Gravel, Some Silt.	0.0	8	28	3,960				
1															
2															
3								Concrete	0.0	10	52				4,050
4															
5	5	2.5		SW	10YR5/4	Wet	Medium Sands, Gravel, trace Silt	0.0	8	< 5	3,870				
6															
7															
8					10YR4/1		Medium-Fine Sands, Silt, Some Gravel.	0.0	19	35	3,980				
9															
10															

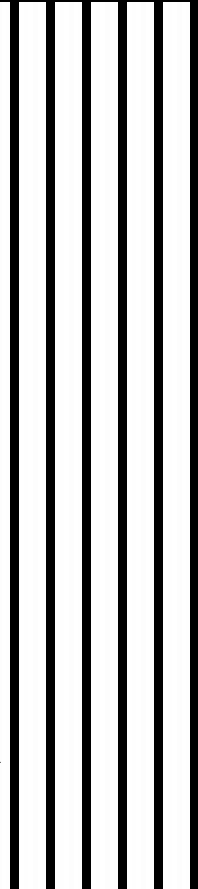

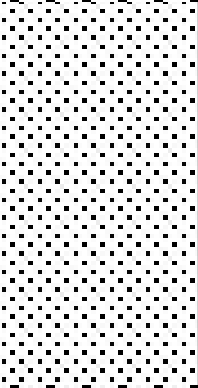
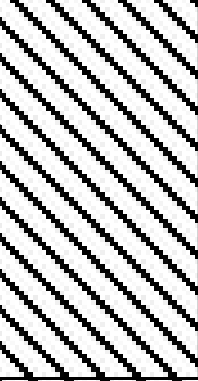
SOIL BORING LOG SHEET														
BOREHOLE NUMBER:		LT-XC-020		Instrument		Model Number			Serial Number					
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600			110-009576					
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000			500301					
WEATHER:		Sun 35°		SCALER:		Ludlum 12 / 44-9			186760 / PR153303					
Drilling Method:		Air Hammer			Borehole Diameter:		2 inch							
Sampling Method:		Closed Piston			Borehole Depth:		10 feet							
Start Time:		9:10			Commpletion Time:		11:20							
Start Date:		2/20/2014			Completion Date:		2/20/2014							
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb		
Range		3,750-4,360 cpm		Point				4,129 cpm		14,648 cpm		24 ppm		400 ppm
Depth (ft)		Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0		5	3		SW	10YR2/1	Wet	Well Graded Medium Sand with Gravel	0.0	<7	14	4,750		
1					SP	10YR6/1		Poorly Graded Coarse Sand and Pebbles						
2						10YR5/1								
3		5	3		SW	10YR2/1	Moist	Well Graded Medium Sand with Gravel	0.0	<19	<19	4,690		
4						10YR4/4								
5						10YR4/4			0.0	5.2	9.7	5,010		
6		5	3.5		SW	10YR4/2	Wet	Well Graded Medium Sand	0.5	<85	<76	5,180		
7						10YR3/2								
8						0.0			<53	<65	4,960			
9														
10								10YR4/4				Silt		

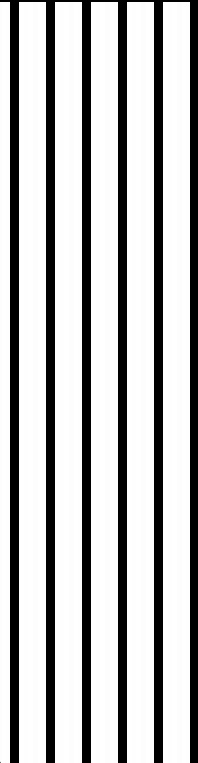

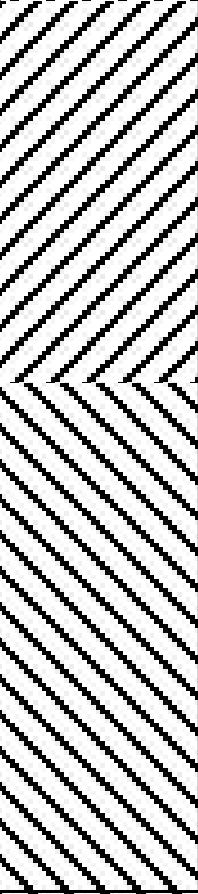
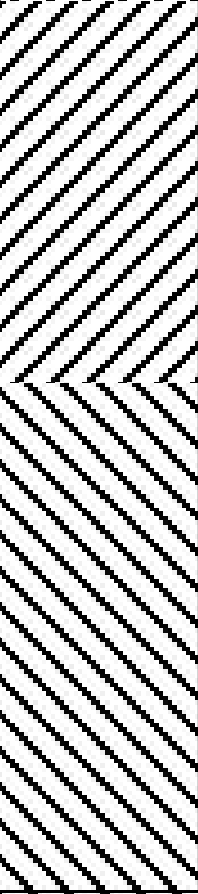
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-001		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sunny 38°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 feet						
Start Time:		13:15			Commpletion Time:		13:35						
Start Date:		1/13/2014			Completion Date:		1/13/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		6,300-8,800 cpm		Point				8,357 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		SM	10YR6/1	Moist	Silty Sands, Tightly Packed	0.0	< 3	16	5500		
1													
2													
3													
4													
5	5	4		SW-SM	10YR6/8	Wet	Medium Sands, Some Fines, Some Gravel	0.0	< 1.6	14	5100		
6													
7													
8													
9													
10													

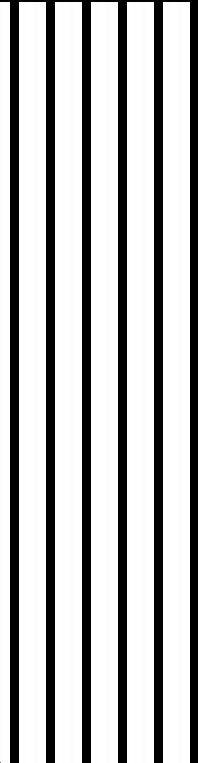

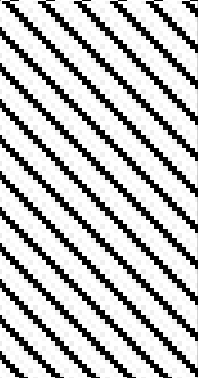
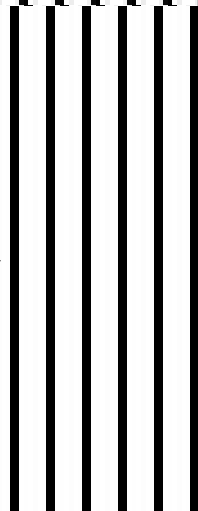
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-002		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Rain 44°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		8:00			Commpletion Time:		8:40						
Start Date:		1/14/2014			Completion Date:		1/14/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		3,800-4,700 cpm		Point				3,871 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	2.5		SC	10YR5/2	Wet	Clayey Sand	0.0	43	< 6	4750		
1													
2				CL	10YR4/1	Moist	Clay	18.6	4.6	14	4500		
3					10YR6/4								
4				SC	10YR5/2		Clayey Sand with Some Coarse Grain Sand	0.0	< 2.0	17	3990		
5													
6	5	3		CL	10YR5/6		Clay	8.2	< 1.9	19	3960		
7					10YR5/1	Silty Sand, Some Corse Grained Sand							1.3
8													
9													
10													
11	2	2		SM	10YR5/6	Dry	Medium-Fine Sands with Some Gravel	0.2	6	14	4600		
12					10YR5/2								

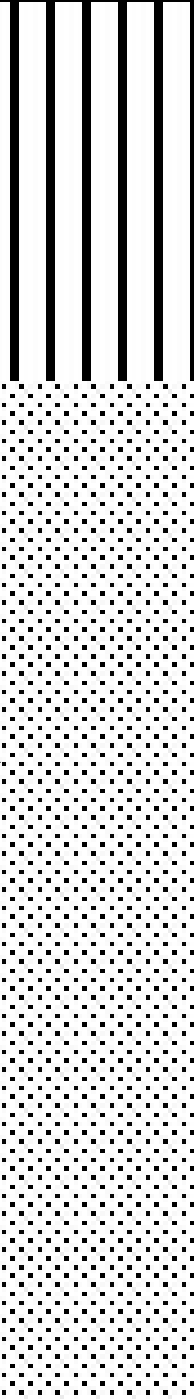

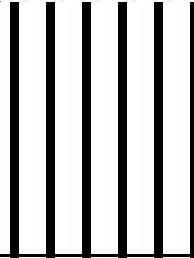
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-003		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Rain 44°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		8:50			Commpletion Time:		9:15						
Start Date:		1/14/2014			Completion Date:		1/14/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		3,670-4,350 cpm		Point				4,130 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		SM	10YR4/1	Wet	Silty Sand, Some Coarse Sand	0.0	68	33	4150		
1													
2													
3													
4													
5	5	3.5		SC	10YR5/1	Moist	Clayey Sand	0.1	8	18	4320		
6													
7													
8													
9													
10	5	3.5		SM	10YR6/2	Dry	Silty Sand with Gravel	0.0	4	21	4600		
8					10YR6/3			0.0	5.6	12	4780		
9					ML			10YR6/1	0.0	3.8	18	4800	
10	2	2		10YR7/3		Silt and Clay	0.0	4	16	4350			
11													
12													

SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-005		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Rain 44°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		10:05			Commpletion Time:		10:40						
Start Date:		1/14/2014			Completion Date:		1/14/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		4,150-4,690 cpm		Point				4,480 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3.5		SM	10YR5/3	Moist	Poorly Graded, Silty Sand with Little Gravel	0.0	5	7	3900		
1													
2													
3													
4													
5	5	2.5		SW-SM	10YR5/6	Wet	Medium, Well Graded, Sand with Fines and Some Gravel	0.0	3.6	5.2	NA		
6													
7													
8													
9													
10	2	2		SW-SM	10YR4/3	Moist	Medium, Well Graded, Sand with Fines and Some Gravel	0.0	8	13	4250		
11													
12													
	2	2		SW-SM	10YR3/1	Moist	Medium, Well Graded, Sand with Fines and Some Gravel	0.0	5	12	4310		
	2	2		SW-SM	10YR4/3	Moist	Medium, Well Graded, Sand with Fines and Some Gravel	0.0	5	12	4310		
	2	2		SW-SM	10YR5/3	Wet	Medium, Well Graded, Sand with Fines and Some Gravel	0.0	55	42	4270		

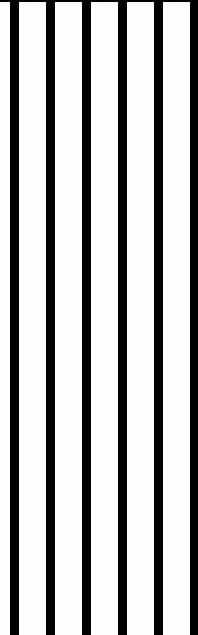
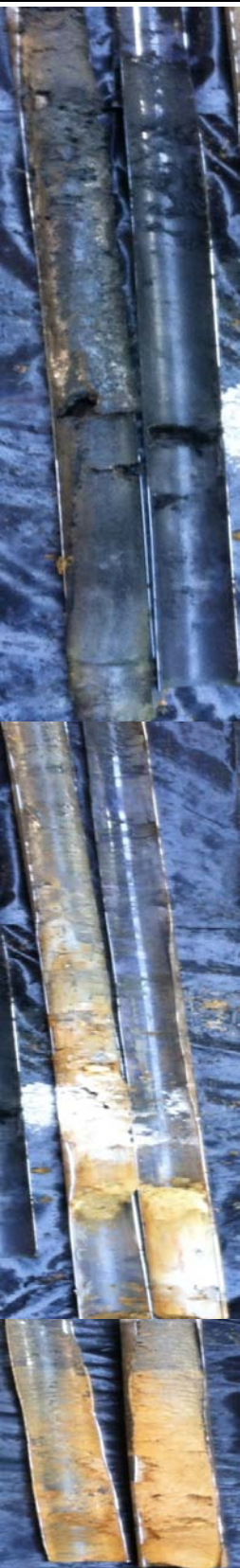
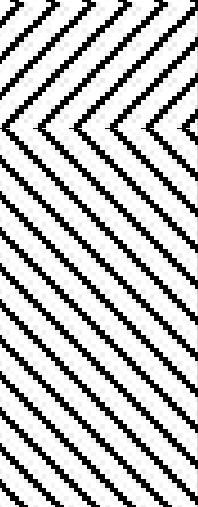
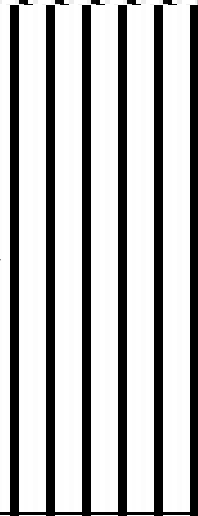
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-006		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Rain 44°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		11:05			Commpletion Time:		11:30						
Start Date:		1/14/2014			Completion Date:		1/14/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		3,610-4,450 cpm		Point				3,975 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3		SM	10YR6/6	Wet	Silty Sand	0.0	< 8	< 11	4300		
1													
2													
3													
4													
5													
6	5	4		SW	10YR6/6	Medium, Well Graded Sand, Some Fines, Some Gravel	0.2	9	< 8	4100			
7													
8													
9													
10													
11	2	2		CL	10YR5/4	Medium, Well Graded Sand with Gravel	0.5	< 1.4	5.9	4280			
12													
							Clay	0.3	4	5	4310		
								0.0	< 5	8	4400		
								0.0	< 9	22	4160		

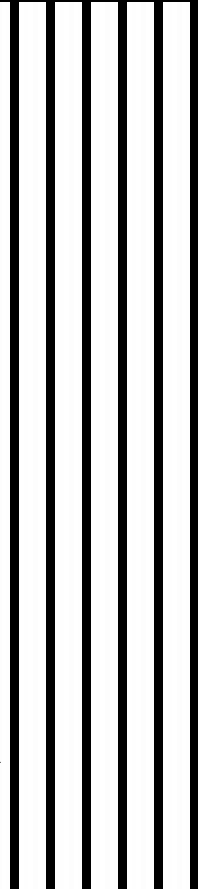

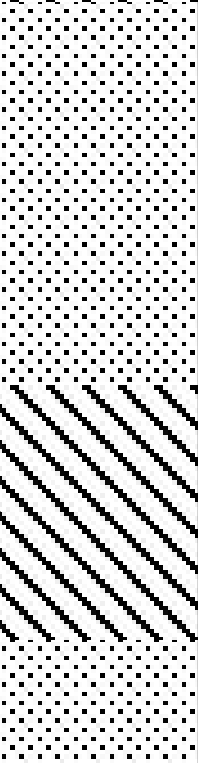
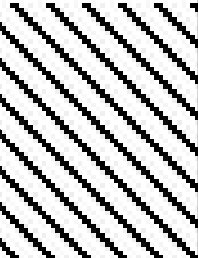
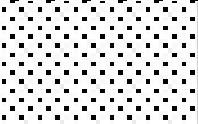
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-008		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Rain 44°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch					
Sampling Method:		Closed Piston				Borehole Depth:		12 feet					
Start Time:		12:30				Commpletion Time:		12:50					
Start Date:		1/14/2014				Completion Date:		1/14/2014					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		3,760-4,340 cpm		Point				3,916 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3		SM	10YR3/1	Wet	Silty Sand with Gravel	0.0	17	< 4	4500		
1													
2													
3													
4													
5	5	5		SC	10YR4/2	Moist	Clayey Sand with Gravel	0.0	< 26	31	4820		
6													
7													
8													
9													
10	2	2		CL	10YR6/6	Wet	Clay	0.0	< 18	< 21	4530		
11													
12													
					10YR6/1			0.0	< 5	4	4480		

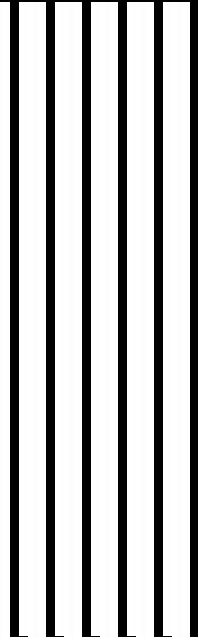

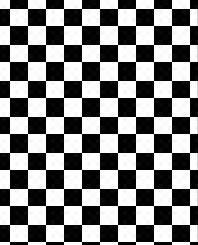
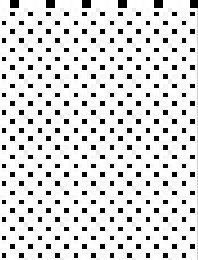
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-009		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Rain 44°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		13:15			Commpletion Time:		13:40						
Start Date:		1/14/2014			Completion Date:		1/14/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		3,540-4,980 cpm		Point				4,223 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3		SM	10YR4/1	Moist	Silty Sand with Gravel	0.0	< 17	34	NR		
1								0.0	< 3	19	4650		
2													
3													
4													
5	5	4		CL	10YR6/1	Wet	Clay	0.0	< 4	10	4780		
6								0.0	< 1.6	6.7	4820		
7													
8													
9													
10	2	1		SM	10YR6/4	Moist	Silty Sand with Gravel	0.0	< 4	13	4800		
11								0.0	3.1	6.2	4740		
12													

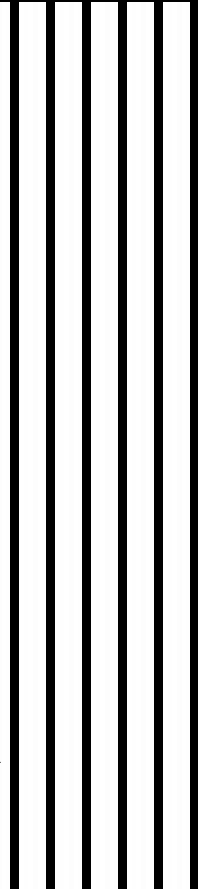

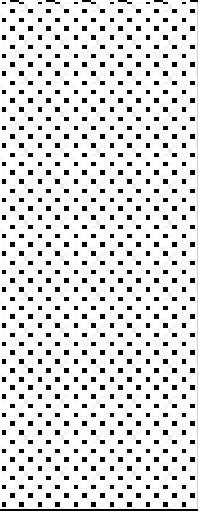
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BOREHOLE NUMBER:		LT-C-010		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Clouds 34°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch					
Sampling Method:		Closed Piston				Borehole Depth:		12 feet					
Start Time:		7:36				Commpletion Time:		8:50					
Start Date:		1/15/2014				Completion Date:		1/15/2014					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		3,840-4,310 cpm		Point				3,762 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3		SM	10YR5/4	Wet	Silty Sand with Gravel	0.0	17	14	NA		
1					10YR4/2			0.0	6	18	3900		
2				SW			10YR5/8	0.0	< 6	18	4320		
3					Well Graded, Medium Sand with Gravel			0.0	< 12	< 16	NA		
4								0.0	< 8	17	4470		
5	Silty Sand with Gravel	0.0	< 3					18	4070				
6		2	2						SM	10YR5/1	Silty Sand with Gravel		0.0
7													
8													
9													
10													
11													
12													

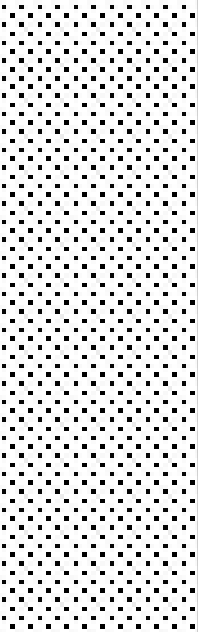
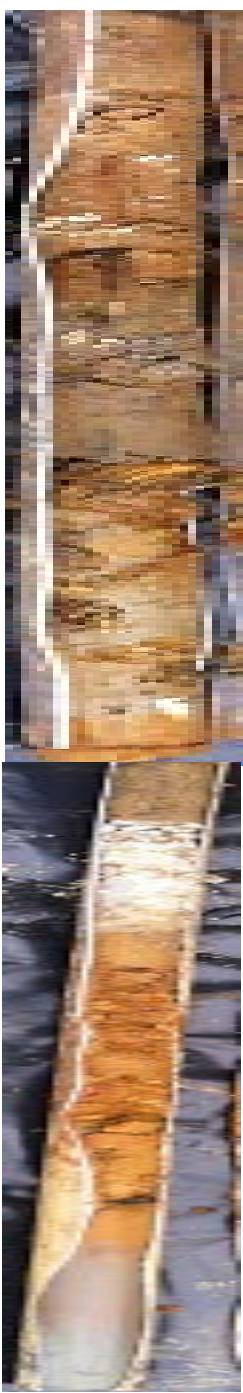
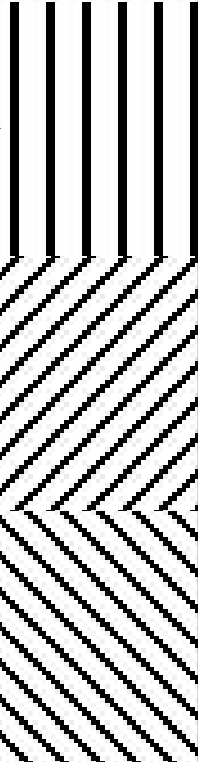
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-011		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Clouds 34°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		9:00			Commpletion Time:		9:30						
Start Date:		1/15/2014			Completion Date:		1/15/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		3,760-4,180 cpm		Point				3,897 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3.5		SM	10YR5/1	Wet	Silty Sand	0.0	14	24	3900		
1								0.0	3	24	4100		
2													
3													
4													
5	5	2.5		SW	10YR6/6	Moist	Medium, Well Graded Sand with Gravel	0.0	1.7	13.1	3980		
6								0.0	< 2	13	4010		
7								0.0	< 3	16	3960		
8													
9													
10	2	1.5		SW-SM	10YR6/4	Moist	Well Graded, Medium Sand with Fines and Gravel	0.0	4	39	4000		
11													
12													

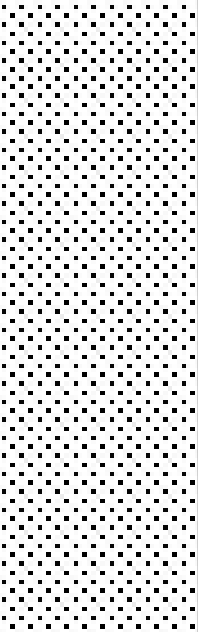
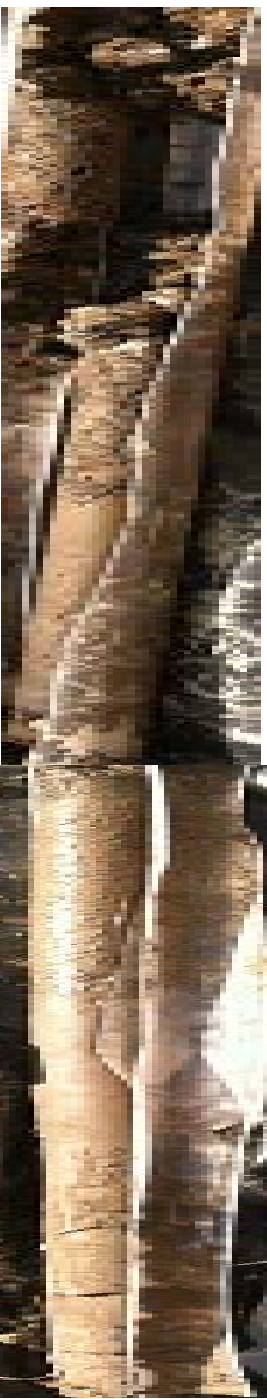
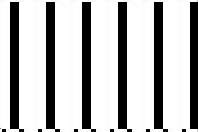
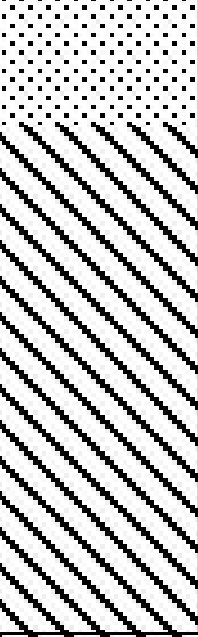
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-012		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Clouds 34°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch					
Sampling Method:		Closed Piston				Borehole Depth:		12 feet					
Start Time:		9:00				Commpletion Time:		9:30					
Start Date:		1/15/2014				Completion Date:		1/15/2014					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		3,790-5,260 cpm		Point				5,450 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	2.5		SM	10YR3/1	Wet	Silty Sand with Gravel	0.0	14	< 4	NA		
1													
2													
3													
4													
5	5	4.5		SC	10YR5/1		Wood / Bog Layer	0.0	9	26	3650		
6				Clayey Sand			0.0	33	36	3810			
7				Clay			0.0	9	21	3850			
8													
9													
10	2	2		SM	10YR5/6		Silty Sand withGravel (Layer of White Rock)	0.0	< 2	21	4180		
11							0.0	< 5	16	4250			
12													

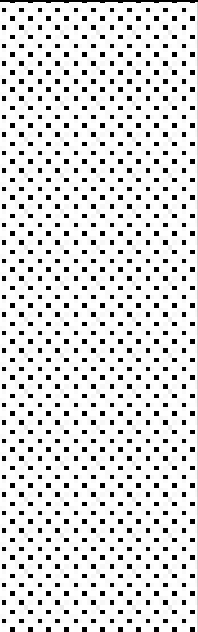

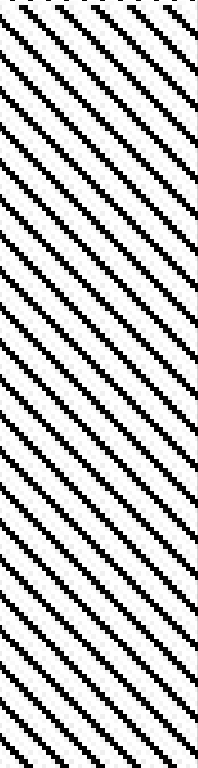
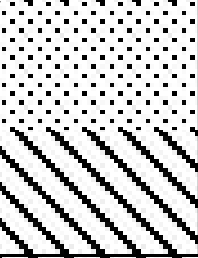
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-013		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Clouds 34°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch					
Sampling Method:		Closed Piston				Borehole Depth:		12 feet					
Start Time:		11:00				Commpletion Time:		11:30					
Start Date:		1/15/2014				Completion Date:		1/15/2014					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		3,630-5,040 cpm		Point				3,660 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	2.5		SM	10YR5/3	Wet	Silty Sand, Some Coarse	0.0	2.6	12	NR		
1								0.0	< 3	20	3890		
2													
3													
4													
5	5	2.5		SW-SM	10YR5/6	Moist	Silty Sand and Gravel	0.0	8	14	4170		
6					0.0			5	11	4250			
7													
8													
9					5			2.5		CL	10YR7/1		Dry
10	0.0	< 7	24	3910									
11													
12	2	2		SW	10YR5/6	Medium, Well Graded Sand and Gravel							

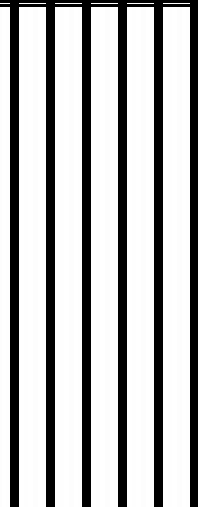

SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-014		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Clouds 34°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		12:45			Commpletion Time:		14:00						
Start Date:		1/15/2014			Completion Date:		1/15/2014						
MARRSIM Walkover Survey (10'X10')					Monitoring Action levels			RAD (2X Background)		As		Pb	
Range		4,750-5,810 cpm		Point				5,582 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		SM	10YR5/6	Dry	Silty Sand with Gravel	0.0	12	8	4170		
1													
2													
3													
4													
5	5	2		ML	10YR4/1	Moist	Silt	0.0	< 2	14	4210		
6													
7				SM	10YR2/1	Wet	Silty Sand with Gravel	0.0	< 12	< 15	NR		
8					10YR4/1								
9				SW-SM	10YR5/6		Well Graded, Medium Sand and Silt with Gravel	0.0	4.2	25	4100		
10													
11	2	2		SM	10YR5/1		Silty Sand with Gravel	0.0	< 2	9	4120		
12													


SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-015		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Clouds 34°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch					
Sampling Method:		Closed Piston				Borehole Depth:		12 feet					
Start Time:		14:15				Commpletion Time:		14:50					
Start Date:		1/15/2014				Completion Date:		1/15/2014					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		5,600-6,820 cpm		Point				5,813 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3.5		SM	10YR5/4	Wet	Silty Sand and Gravel	0.0	< 9	20	3800		
1								0.0	< 4	21	3800		
2													
3													
4													
5	5	3.5		SW-SM	10YR6/4		0.0	< 2	7	4100			
6													
7													
8													
9					10YR5/3		0.0	< 4	6	4000			
10	10YR5/8												

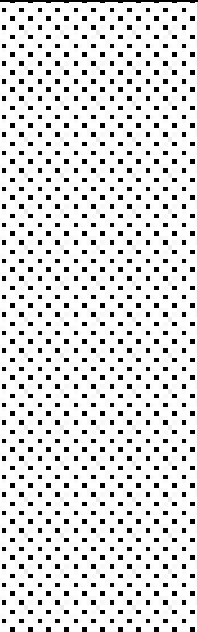

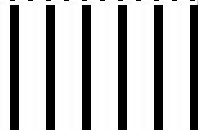
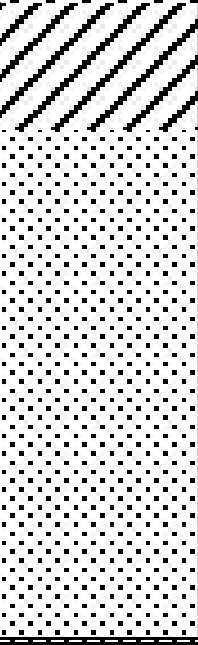
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-017		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Clouds 40°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 feet						
Start Time:		9:15			Commpletion Time:		10:00						
Start Date:		1/16/2014			Completion Date:		1/16/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		6,010-6,560 cpm		Point				6,270 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3		SW-SM	10YR4/4	Wet	Wood, Well Graded, Medium Sand with Silt and Gravel	0.0	<3	17	NA		
1													
2													
3													
4													
5	5	3.5		SM	10YR5/2	Dry	Silty Sand	0.0	3	7	NA		
6													
7				SC	10YR4/6	Moist	White Rock, Clayey Sand	0.0	5	23	7300		
8							Well Graded, Medium Sand with Silt and Gravel						
9							CL	10YR5/1	Moist	Clay	0.0		3
10													

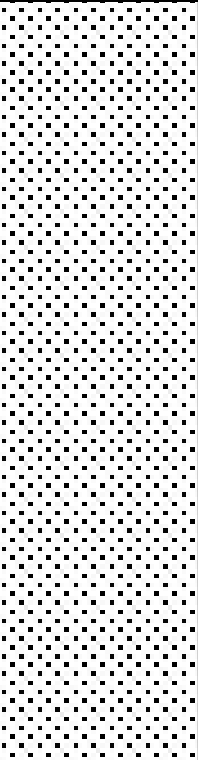

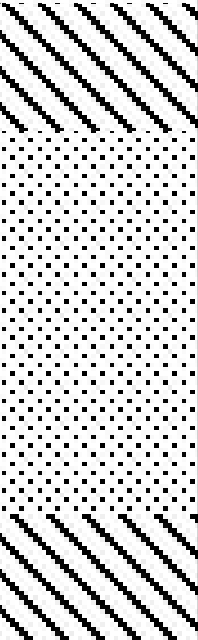
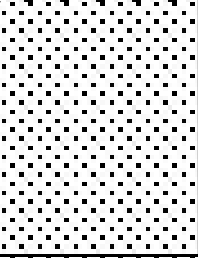
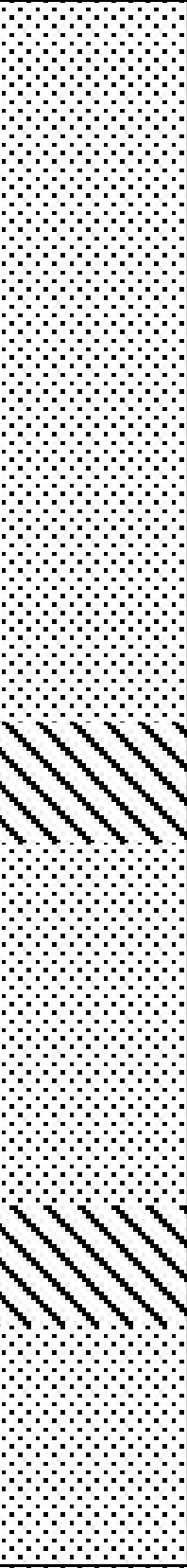
SOIL BORING LOG SHEET														
BOREHOLE NUMBER:		LT-C-018		Instrument		Model Number			Serial Number					
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600			110-009576					
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000			500301					
WEATHER:		Sunny 39°		SCALER:		Ludlum 12 / 44-9			186760 / PR153303					
Drilling Method:		Direct Push			Borehole Diameter:		2 inch							
Sampling Method:		Closed Piston			Borehole Depth:		10 feet							
Start Time:		12:30			Commpletion Time:		12:50							
Start Date:		1/17/2014			Completion Date:		1/17/2014							
MARRSIM Walkover Survey (10'X10')					Monitoring Action levels			RAD (2X Background)		As		Pb		
Range		4,650-5,370 cpm		Point				5,619 cpm		14,648 cpm		24 ppm		400 ppm
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log		
0	5	2.5		SW	10YR3/2	Moist	Asphalt, Well Graded Medium Sand with Gravel	0.0	5.9	26	7460			
1								0.0	6	35	7610			
2														
3														
4														
5	5	3		SM	10YR3/1	Wet	Silty Sand	0.0	10	9	7640			
6				Well Graded Medium Sand with Gravel			0.0	<8	33	7820				
7				CL							10YR3/2		10YR4/2	Clay
8														
9														
10								0.0	<11	28	7630			

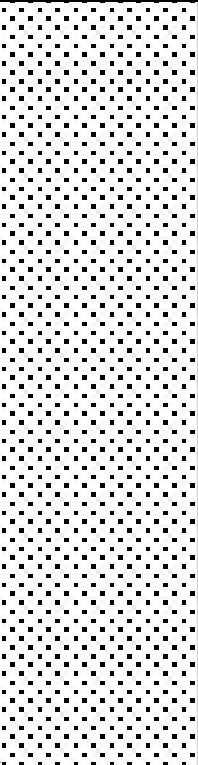

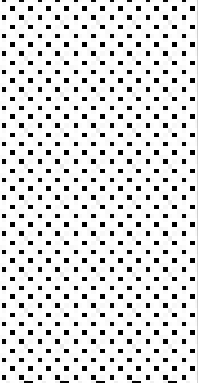
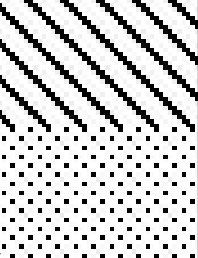
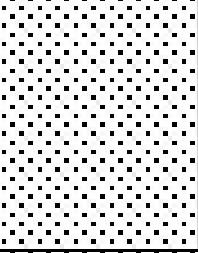
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-019		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Cloudy 35°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch					
Sampling Method:		Closed Piston				Borehole Depth:		12 feet					
Start Time:		7:50				Commpletion Time:		8:20					
Start Date:		1/20/2014				Completion Date:		1/20/2014					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		5,420-6,810 cpm		Point				5,696 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3		SW-SM	10YR4/6	Dry	Well Graded Medium Sand with Silt and Gravel	0.0	<9	<11	7550		
1					10YR4/4	Moist		0.0	<3	15	8020		
2													
3													
4													
5	5	4.5		CL	10YR5/3	Wet	Clay	0.0	<4	27	7690		
6													
7													
8													
9													
10	2	2		SW-SM	10YR4/4	Wet	Well Graded Medium Sand with Silt and Gravel	0.0	6	22	7905		
11					CL		10YR5/3	Clay					
12													

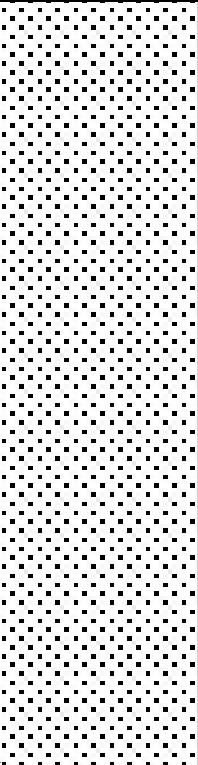


SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-020		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Cloudy 35°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch					
Sampling Method:		Closed Piston				Borehole Depth:		12 feet					
Start Time:		8:30				Commpletion Time:		9:00					
Start Date:		1/20/2014				Completion Date:		1/20/2014					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		5,260-6,270 cpm		Point				5,119 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3		SM	10YR5/3	Wet	Silty Sand with Gravel	0.0	3	9	7480		
1					Moist	Well Graded Fine Sand, Some Coarse		0.0	24	<9	7620		
2				SW			10YR6/8	0.0	3	7	8050		
3						Wet							Silty Sand with Gravel
4				CL	10YR4/6		0.0	<4	30	7940			
5	Well Graded Medium Sand with Silt and Gravel	0.0	<2								23		7810
6				CL	10YR5/3		0.0	<2	23	7810			
7	Well Graded Medium Sand with Silt and Gravel	0.0	<2								23		7810
8				CL	10YR5/3	0.0	<2	23	7810				
9	Well Graded Medium Sand with Silt and Gravel	0.0	<2							23	7810		
10				CL	10YR5/3	0.0	<2	23	7810				
11	Well Graded Medium Sand with Silt and Gravel	0.0	<2							23	7810		
12				CL	10YR5/3	0.0	<2	23	7810				

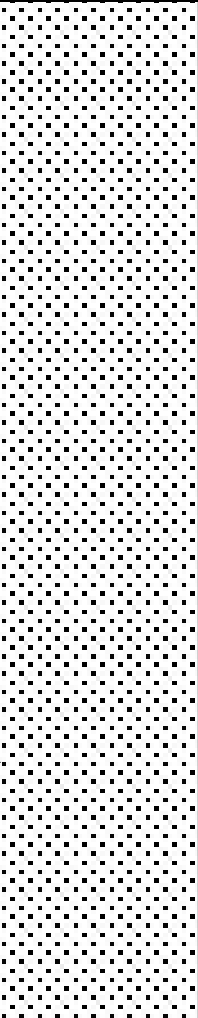
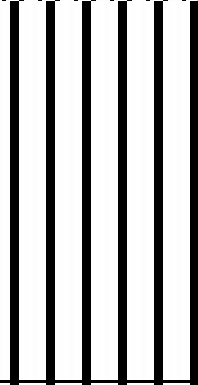
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-021		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Cloudy 35°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 feet						
Start Time:		11:00			Commpletion Time:		11:30						
Start Date:		1/20/2014			Completion Date:		1/20/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		5,100-6,200 cpm		Point				4,925 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3	<div></div>	SM	10YR4/3	Wet	Silty Sand with Gravel	0.0	5	9	6480		
1													
2													
3			SW-SM	10YR4/6	Well Graded Medium Sand with Silt and Gravel		0.0	12	<9	7850			
4													
5	SM	10YR5/3	Silty Sand with Gravel	0.0	<6		12	7840					
6													
7		10YR4/6	Silty Sand with Gravel	0.0	<1.8		7	7710					
8													
9													
10	SW-SM	Well Graded Medium Sand with Silt and Gravel	0.0	4	9	7840							

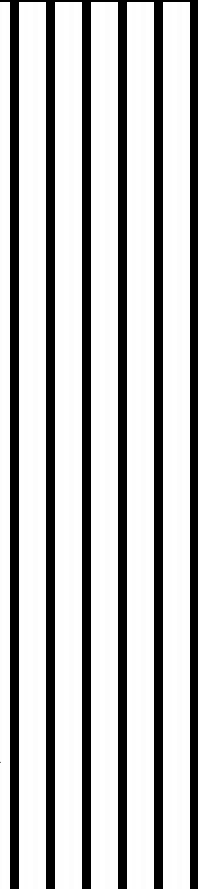

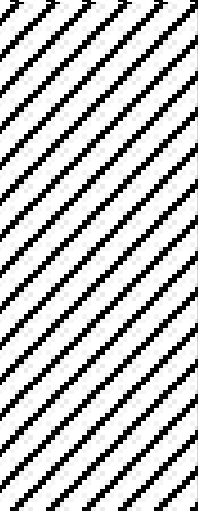
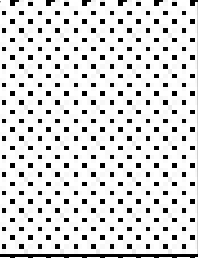
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-022		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Cloudy 35°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 feet						
Start Time:		11:50			Commpletion Time:		12:30						
Start Date:		1/20/2014			Completion Date:		1/20/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		4,480-5,590 cpm		Point				4,925 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	2.5		SW	10YR3/3	Moist	Well Graded Fine Sand with Medium Sand and Gravel	0.0	31	101	7350		
1								0.0	<3	27	7510		
2													
3													
4													
5	5	2.5		SM	10YR5/4	Wet	Silty Sand. Pockets of Gravel and Clayey Sand	0.0	9	<10	7600		
6				SC									
7													
8													
9													
10	5	2.5		SW-SM	10YR4/6 & 5YR4/6	Wet	Well Graded Medium Sand with Silt and Gravel. Bands of Color.	0.0	5	<3	7580		
0.0								<1.9	3	7780			

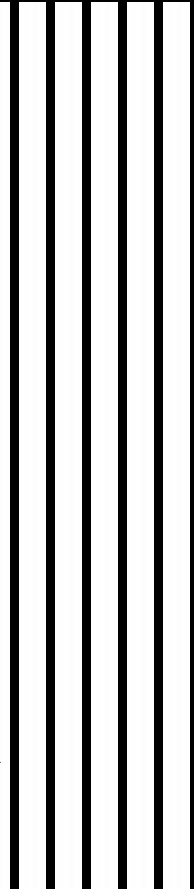

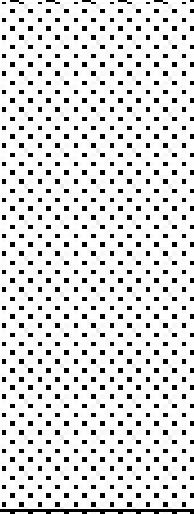
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-023		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Cloudy 35°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		12:50			Commpletion Time:		13:20						
Start Date:		1/20/2014			Completion Date:		1/20/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		5,680-6,140 cpm		Point				5,930 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		SW	10YR5/8	Wet	Wood, Grass, Well Graded Fine Sand, Some Medium Sand	0.0	<3	<4	7450		
1								0.0	2.6	<2	7600		
2													
3													
4													
5	5	5		CL	10YR4/6		Well Graded Medium Sand with Gravel. Pockets of Clay	0.0	<5	6	7700		
6							Well Graded Medium Sand with Silt and Gravel	0.0	3.3	<2	7820		
7													
8													
9							5	5		CL	10YR5/8		Clay
10	Well Graded Medium Sand with Gravel	0.0	2.7	10.1	7780								
11													
12	2	2		SW	10YR5/8								

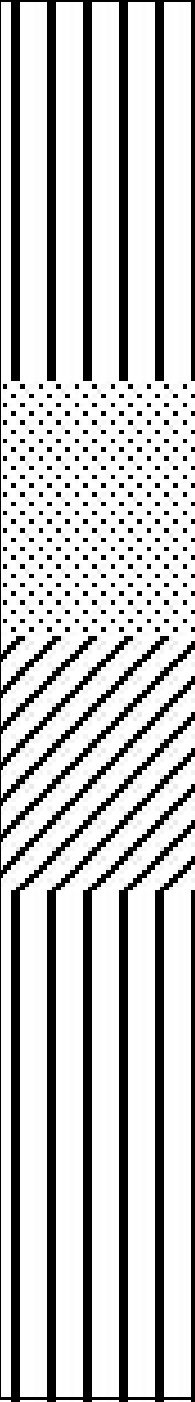

SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-024		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Snow 22°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		7:55			Commpletion Time:		8:50						
Start Date:		1/21/2014			Completion Date:		1/21/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		4,850-5,930 cpm		Point				5,416 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3		SW-SM	10YR3/2	Dry	Well Graded Medium Sand with Silt and Gravel	0.0	261	452	4,350		
1													
2													
3													
4													
5	5	4		SW-SM	10YR5/3	Moist	Well Graded Fine Sand with Silt and Gravel	0.0	661	1826	4,680		
6													
7					10YR6/4	Moist	Well Graded Fine Sand with Silt and Gravel	0.4	100	78	3,975		
8													
9													
10	5	4		CL	10YR5/4	Wet	Clay	208.0	141	13	4,545		
11													
12													
11	2	1.5		SW-SM	10YR2/1	Wet	Well Graded Medium Sand with Silt and Gravel. Black Staining @ 9'-10'.	0.0	<4	8	4,460		
12													

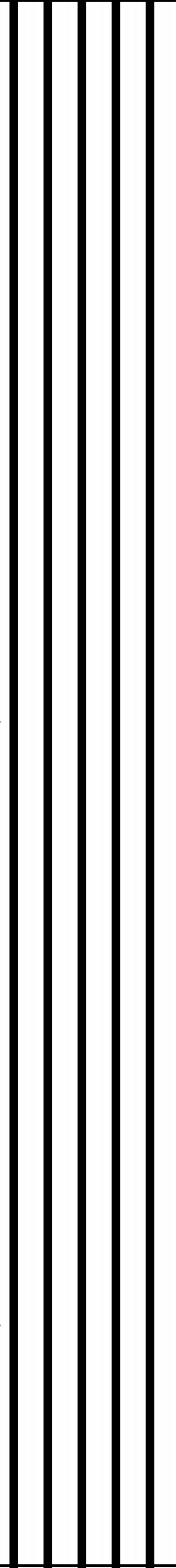

SOIL BORING LOG SHEET														
BOREHOLE NUMBER:		LT-C-025		Instrument		Model Number				Serial Number				
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576				
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301				
WEATHER:		Snow 22°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303				
Drilling Method:		Direct Push				Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston				Borehole Depth:		12 feet						
Start Time:		9:30				Commpletion Time:		9:55						
Start Date:		1/21/2014				Completion Date:		1/21/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb		
Range		3,740-4,960 cpm		Point				3678 cpm		14,648 cpm		24 ppm		400 ppm
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log		
0	5	4		SW-SM	10YR5/4	Dry	Well Graded Medium Sand with Silt and Gravel	0.0	261	452	4,310			
1								0.0	661	1826	4,450			
2														
3														
4														
5	5	5		CL	10YR6/1	Moist	Well Graded Medium Sand with Silt and Gravel. Black Staining.	0.0	100	78	4,390			
6								27.5	81	22	4,460			
7														
8														
9								18.3	141	13	5,110			
10	Clay													
11		Silty Sand with Gravel												
12	0.0		<4	8	4,800									



SOIL BORING LOG SHEET															
BOREHOLE NUMBER:		LT-C-026		Instrument		Model Number				Serial Number					
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576					
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301					
WEATHER:		Snow 22°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303					
Drilling Method:		Direct Push				Borehole Diameter:		2 inch							
Sampling Method:		Closed Piston				Borehole Depth:		10 feet							
Start Time:		10:10				Commpletion Time:		10:40							
Start Date:		1/21/2014				Completion Date:		1/21/2014							
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb			
Range		5,890-6,530 cpm		Point				6,325 cpm		14,648 cpm		24 ppm		400 ppm	
Depth (ft)		Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description		PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0		5	3		SW-SM	10YR4/3	Dry	Well Graded Medium Sand with Silt and Gravel		0.0	11	52	4,880		
1															
2															
3										0.0	10	39	4,925		
4															
5															
6		5	4		SM	10YR45/4	Moist	Silty Sand, Some Gravel		0.6	16	49	5,140		
7															
8							Wet			0.4	<3	21	4,990		
9															
10															

SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-027		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Snow 22°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		11:00			Commpletion Time:		11:45						
Start Date:		1/21/2014			Completion Date:		1/21/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		4,950-5,590 cpm		Point				5,499 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		SM	10YR3/3	Moist	Silty Sand with Gravel						
1								0.0	46	225	NA		
2													
3								0.0	11	17	NA		
4													
5					0.0	76	12	NA					
6	5	5		SC	10YR2/1		Pete, Clayey Sand, some Gravel.	0.7	46	11	NA		
7													
8								0.0	<11	22	NA		
9													
10													
11	2	2		SW	10YR5/6	Wet	Well Graded Medium Sand with Gravel	0.0	<6	26	NA		
12													

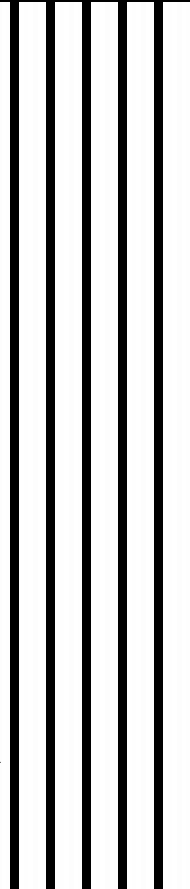

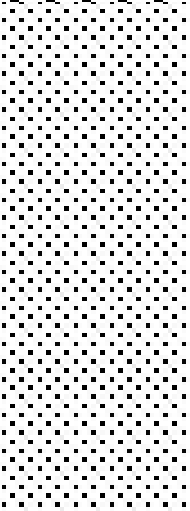
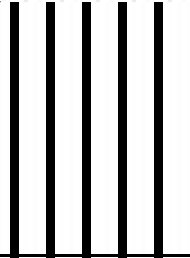
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-028		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sunny 11°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 feet						
Start Time:		12:40			Commpletion Time:		13:45						
Start Date:		1/24/2014			Completion Date:		1/24/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		6,080-6,790 cpm		Point				6,548 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		SM	10YR4/3	Dry	Wood, Silty Sand	0.0	14	38	7,100		
1													
2													
3				10YR5/3	Silty Sand with Gravel	0.0	2.9	11.8	7,250				
4													
5	5	5		10YR4/4	Moist	Well Graded, Medium Sand with Silt and Gravel	0.0	7	14	6,840			
6													
7				SW-SM	10YR4/6	Wet	Well Graded, Medium Sand with Silt and Gravel	0.0	2	10.8	6,760		
8													
9													
10													

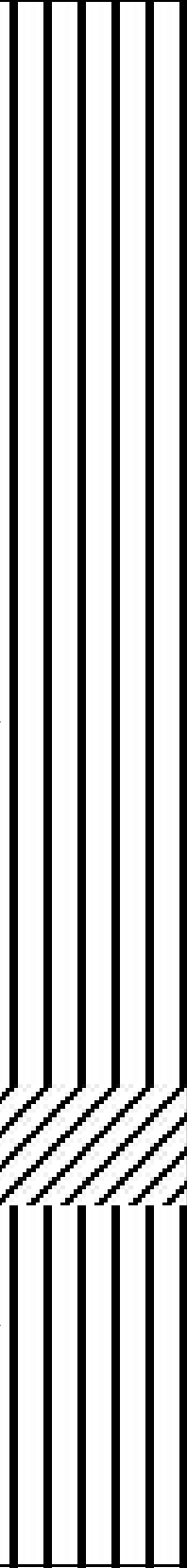

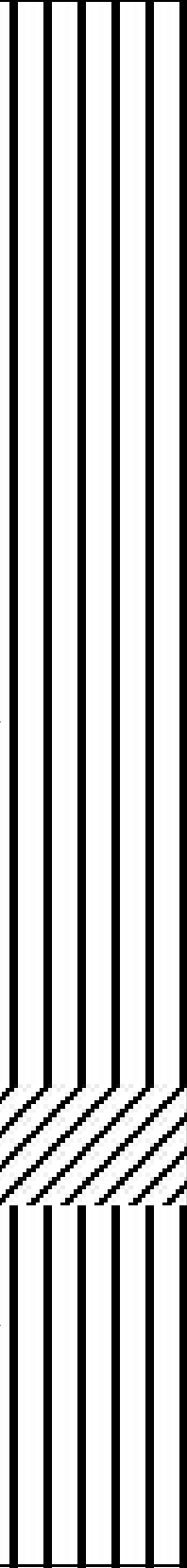
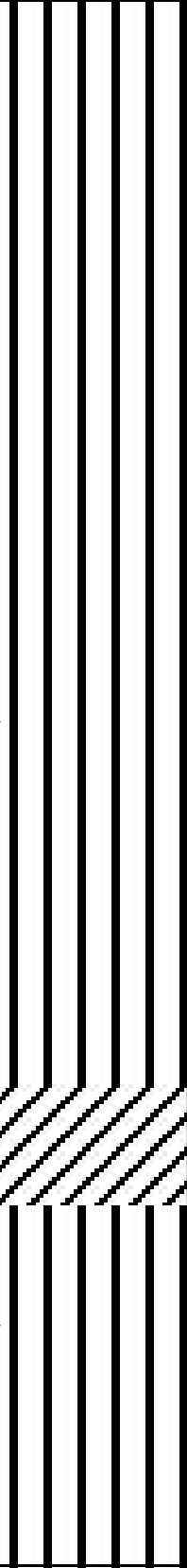
SOIL BORING LOG SHEET														
BOREHOLE NUMBER:		LT-C-029		Instrument		Model Number				Serial Number				
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576				
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301				
WEATHER:		Cloudy 29°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303				
Drilling Method:		Direct Push			Borehole Diameter:		2 inch							
Sampling Method:		Closed Piston			Borehole Depth:		10 feet							
Start Time:		8:00			Commpletion Time:		9:00							
Start Date:		1/27/2014			Completion Date:		1/27/2014							
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb		
Range		6,750-7,380 cpm		Point				7,284 cpm		14,648 cpm		24 ppm		400 ppm
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log		
0	5	2		SM	10YR5/4	Moist	Wood, Leaves, Silty Sand with Gravel	0.0	5	11	7,140			
1														
2														
3							SW	10YR5/8	Well Graded Fine Sand	0.0	7.5		14.5	7,390
4														
5				SC	10YR5/3	Wet	Clayey Sand	0.0	<4	20	7,025			
6	5	4.5												
7														
8								SM						
9														
10							10YR5/4							

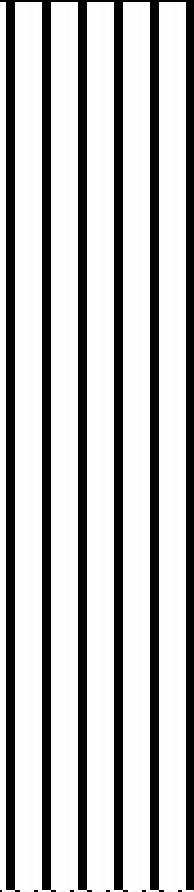

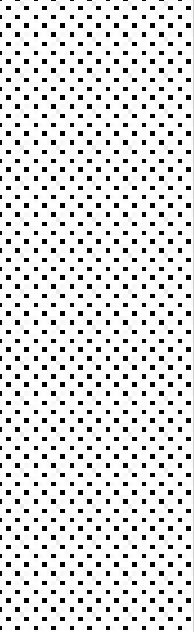

SOIL BORING LOG SHEET															
BOREHOLE NUMBER:		LT-C-030		Instrument		Model Number				Serial Number					
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576					
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301					
WEATHER:		Cloudy 29°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303					
Drilling Method:		Direct Push			Borehole Diameter:		2 inch								
Sampling Method:		Closed Piston			Borehole Depth:		12 feet								
Start Time:		12:50			Commpletion Time:		13:10								
Start Date:		1/27/2014			Completion Date:		1/27/2014								
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb			
Range		4,100-4,550 cpm		Point				4,325 cpm		14,648 cpm		24 ppm		400 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log		USCS Code	Soil Color	Moisture Content	Soil Description		PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4			SM	10YR5/2	Moist	Asphalt, Concrete, Silty Sand with Gravel		0.0	<9	46	5650		
Dry							0.0			5	8	5510			
							10YR6/6	Moist	Silty Sand		0.0	<2	17		
10YR6/3							0.0				<3	18	5560		
10YR5/6							0.0				16	38	5830		
10YR5/2	Wet	0.0	<3	10	5650										

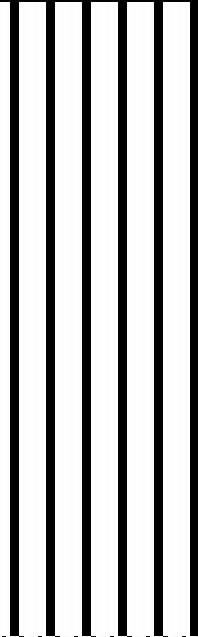

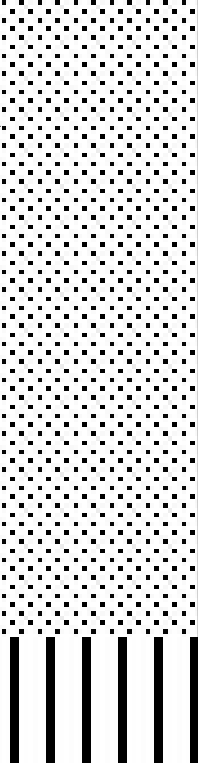
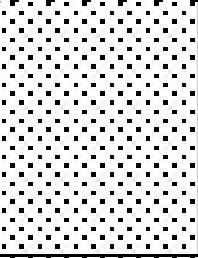
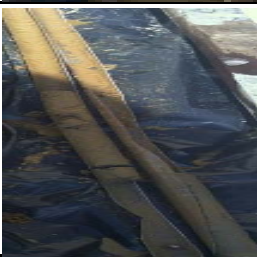
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-031		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Cloudy 29°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		13:45			Commpletion Time:		14:20						
Start Date:		1/27/2014			Completion Date:		1/27/2014						
MARRSIM Walkover Survey (10'X10')					Monitoring Action levels			RAD (2X Background)		As		Pb	
Range		4,810-5,620 cpm		Point				5,252 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3	<div></div>	SM	10YR4/2	Moist	Wood, Grass, Silty Sand with Gravel	0.0	<4	28	5100	<div></div>	
1													
2													
3			SW-SM	10YR4/4	Dry	Well Graded Medium Sand with Silt and Gravel	0.0	13	97	4975			
4													
5	SM	10YR4/2	Silty Sand with Gravel	0.0	7	22	5460						
6													
7	5	4.5	<div></div>	SW-SM	10YR5/3	Moist	Well Graded Fine Sand with Silt and Gravel	0.0	<12	30	5310		
8													
9					10YR5/54	Wet		0.0	<3	35	4960		
10													
11	2	1	<div></div>	10YR5/8	Wet	Well Graded Medium Sand with Silt and Gravel	0.0	<3	10	4730			
12													

SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-032		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sunny 25°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch					
Sampling Method:		Closed Piston				Borehole Depth:		10 feet					
Start Time:		13:20				Commpletion Time:		14:30					
Start Date:		1/30/2014				Completion Date:		1/30/2014					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		4,870-5,620 cpm		Point				5,455 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		SW-SM	10YR4/4	Wet	Well Graded Medium Sand with Silt and Gravel	0.0	43	66	4,670		
1													
2													
3													
4													
5					10YR5/3								
6	5	4		CL			Clay	0.0	5	20	3,940		
7													
8				SW-SM	10YR5/4		Well Graded Medium Sand with Silt and Gravel	0.0	<3	19	4,070		
9													
10				CL	10YR7/1	Clay	0.0	18	26	4,380			
					10YR4/6								
					10YR6/1								

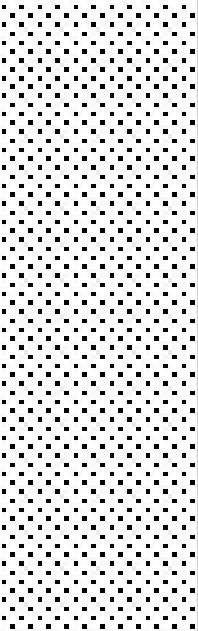
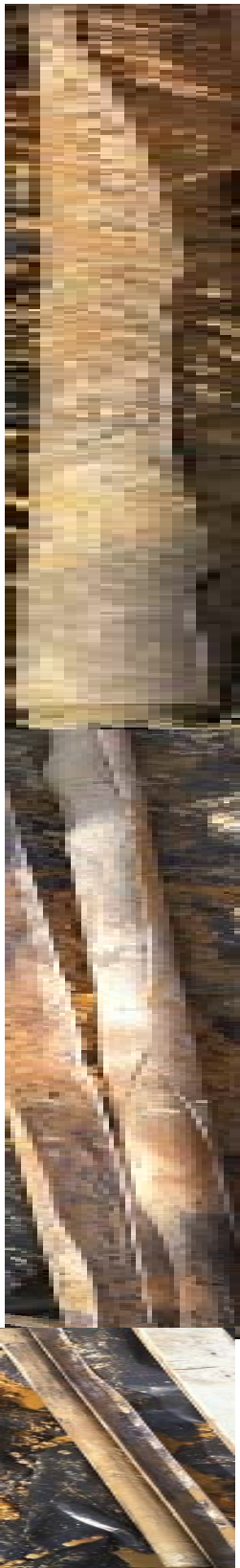
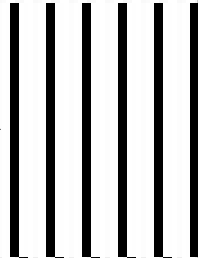
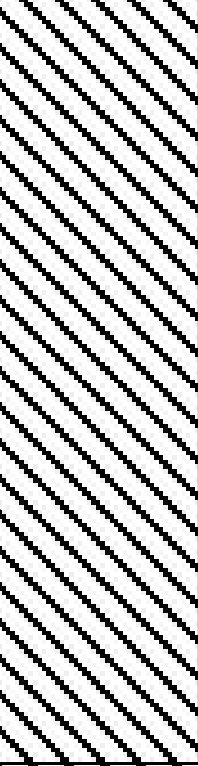
SOIL BORING LOG SHEET														
BOREHOLE NUMBER:		LT-C-034		Instrument		Model Number				Serial Number				
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576				
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301				
WEATHER:		Sunny 18 °		SCALER:		Ludlum 12 / 44-9				186760 / PR153303				
Drilling Method:		Direct Push			Borehole Diameter:		2 inch							
Sampling Method:		Closed Piston			Borehole Depth:		12 feet							
Start Time:		8:20			Commpletion Time:		9:00							
Start Date:		2/4/2014			Completion Date:		2/4/2014							
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb		
Range		4,110-4,560 cpm		Point				4,376 cpm		14,648 cpm		24 ppm		400 ppm
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log		USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	2.5			SM	10YR3/3	Wet	Snow, Wood, Leaves, Silty Sand with Gravel	0.0	<1.5	25.5	3,910		
1									0.0	<1.5	25.5	3,910		
2									0.0	<1.5	25.5	3,910		
3									0.0	28	84	3,950		
4									0.0	28	84	3,950		
5	5	5			SW-SM	10YR3/1	Wet	Well Graded Medium Sand with Silt and Gravel	0.0	95	136	4,150		
6									0.0	95	136	4,150		
7									0.0	57	89	4,260		
8									0.0	57	89	4,260		
9									0.0	73	21	3,980		
10	2	1			SM	10YR4/1	Wet	Silty Sand with Gravel	0.0	10	28	3,860		
11									0.0	10	28	3,860		
12									0.0	10	28	3,860		

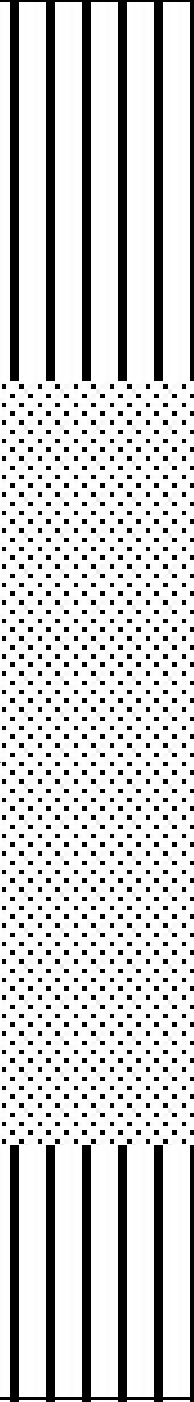

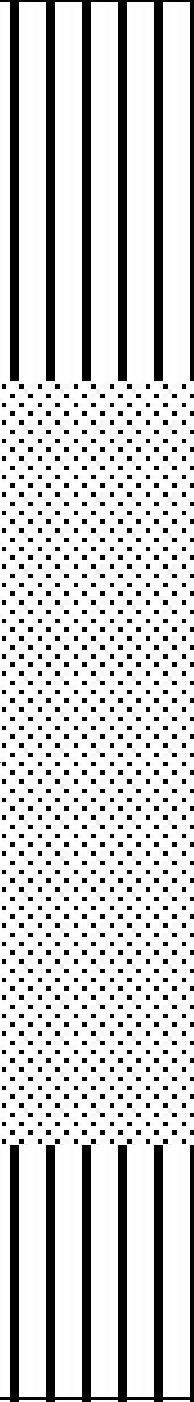
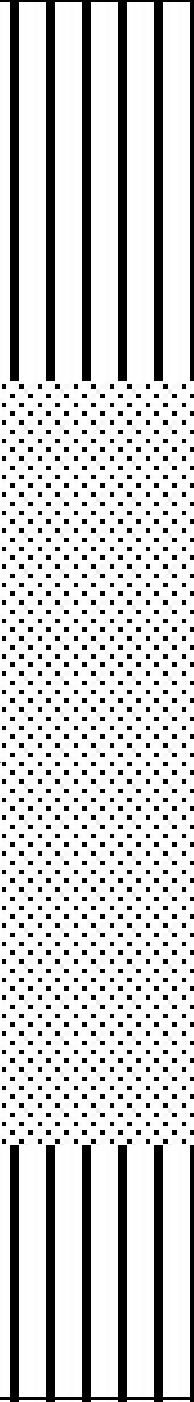
SOIL BORING LOG SHEET																
BOREHOLE NUMBER:		LT-C-035		Instrument		Model Number				Serial Number						
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576						
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301						
WEATHER:		Sunny 18 °		SCALER:		Ludlum 12 / 44-9				186760 / PR153303						
Drilling Method:		Direct Push			Borehole Diameter:		2 inch									
Sampling Method:		Closed Piston			Borehole Depth:		12 feet									
Start Time:		9:20			Commpletion Time:		9:50									
Start Date:		2/4/2014			Completion Date:		2/4/2014									
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb				
Range		4,140-5,150 cpm		Point				5,282 cpm		14,648 cpm		24 ppm		400 ppm		
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log				
0	5	4		SM	10YR3/2 10YR4/2	Wet	Snow, Wood, Leaves, Brick, Silty Sand with Gravel	0.0	8	94	3,920					
1						Moist										
2						Dry										
3													0.0	3	59	4,060
4																
5	5	4		SM	10YR2/1	Moist	0.0	230	211	4,170						
6																
7											Silty Sand, Bog layer at 6'		0.0	362	211	4,050
8																
9																
10	SM	10YR5/4	Silty Sand with Gravel	0.0	22	27	3,760									
11								2	3		SM		10YR5/4	Silty Sand with Gravel	0.0	22
12																

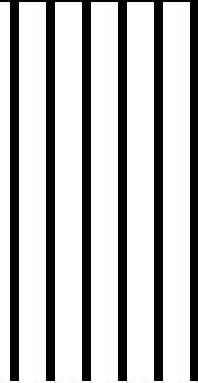

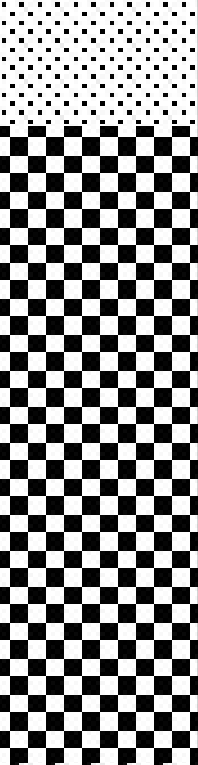
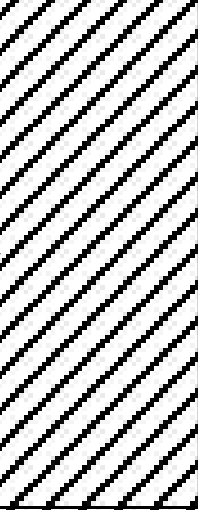
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-036		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sunny 29 °		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch					
Sampling Method:		Closed Piston				Borehole Depth:		12 feet					
Start Time:		10:40				Commpletion Time:		11:20					
Start Date:		2/4/2014				Completion Date:		2/4/2014					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		4,740-5,650 cpm		Point				5,379 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3.5		SM	10YR4/3	Moist	Snow, Silty Sand with Gravel	0.0	8	19	6,988		
1													
2													
3													
4													
5	5	4		SW-SM	10YR5/6	Wet	Well Graded Medium Sand with Silt	0.0	<4	17	7,010		
6													
7													
8													
9													
10	2	2.5		SC	10YR5/4	Clayey Sand	0.0	<15	80	7,140			
11													
12													

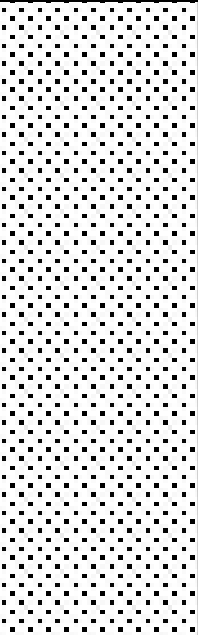

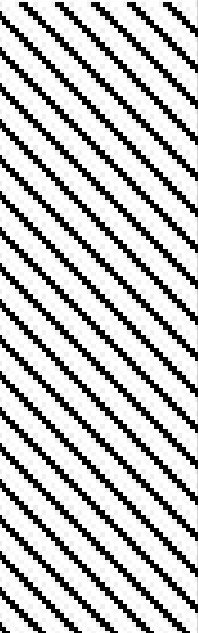
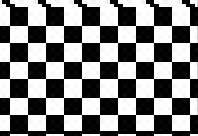
SOIL BORING LOG SHEET														
BOREHOLE NUMBER:		LT-C-037		Instrument		Model Number				Serial Number				
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576				
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301				
WEATHER:		Sunny 29 °		SCALER:		Ludlum 12 / 44-9				186760 / PR153303				
Drilling Method:		Direct Push			Borehole Diameter:		2 inch							
Sampling Method:		Closed Piston			Borehole Depth:		12 feet							
Start Time:		11:30			Commpletion Time:		12:05							
Start Date:		2/4/2014			Completion Date:		2/4/2014							
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb		
Range		4,360-4,990 cpm		Point				4,396 cpm		14,648 cpm		24 ppm		400 ppm
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log		
0	5	3.5		SM	10YR5/4	Wet	Wood, Silty Sand with Gravel	0.0	28	16	6,630			
1						10YR5/1								Moist
2														
3														
4														
5	5	4		SW-SM	10YR5/4	Wet	Well Graded Medium Sand with Silt and Gravel	0.0	<3	18	6,820			
6					10YR4/6			0.0	3.4	9.8	6,690			
7														
8				SM	Silty Sand		0.0	<3	19	6,750				
9														
10	2	3		SW-SM	10YR4/4	Well Graded Medium Sand with Silt and Gravel	0.0	5	18	6,820				
11														
12														

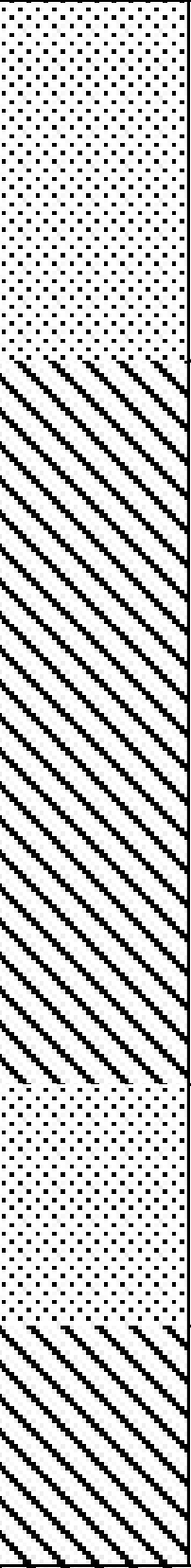

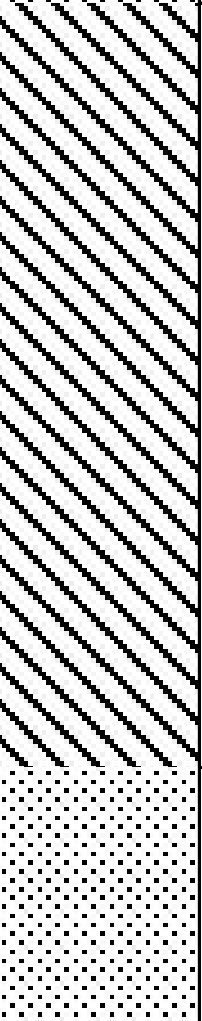
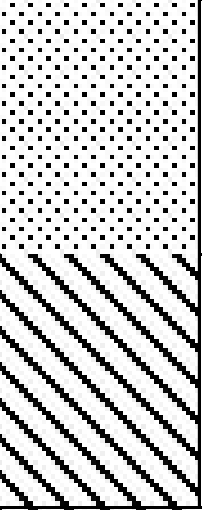
SOIL BORING LOG SHEET															
BOREHOLE NUMBER:		LT-C-038		Instrument		Model Number				Serial Number					
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576					
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301					
WEATHER:		Sunny 29 °		SCALER:		Ludlum 12 / 44-9				186760 / PR153303					
Drilling Method:		Direct Push				Borehole Diameter:		2 inch							
Sampling Method:		Closed Piston				Borehole Depth:		12 feet							
Start Time:		13:00				Commpletion Time:		13:40							
Start Date:		2/4/2014				Completion Date:		2/4/2014							
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb			
Range		4,640-5,330 cpm		Point				5,291 cpm		14,648 cpm		24 ppm		400 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log			
0	5	4		SM	10YR3/2	Moist	Snow, Wood, Silty Sand with Gravel	0.0	<3	34	6,150				
1															
2															
3															
4															
5				CL	10YR6/1		Sandy Clay with Gravel	0.0	<4	17	6,250				
6	5	3.5		SM	10YR5/6		Silty Sand with Gravel	0.0	<2	14	6,390				
7															
8															
9															
10															
11	2	3		SW-SM	10YR5/3	Wet	Well Graded Medium Sand with Silt and Gravel	0.0	2.2	2.8	6,350				
12				SM			Silty Sand								

SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-039		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sunny 29 °		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch					
Sampling Method:		Closed Piston				Borehole Depth:		12 feet					
Start Time:		13:50				Commpletion Time:		14:30					
Start Date:		2/4/2014				Completion Date:		2/4/2014					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		3,530-4,010 cpm		Point				3,217 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3.5		SW-SM	10YR4/4	Wet	Wood, Well Graded Medium Sand with Silt and Gravel	0.0	12	15	6,810		
1								0.0	11	43	6,940		
2													
3													
4													
5	5	4		SM	10YR4/1		Silty Sand	0.0	17	27	6,750		
6				CL	10YR6/1		10YR6/1/6/3	10YR4/4	0.0	<4	35		6,830
7													
8													
9													
10	2	3		CL	10YR5/2		Clay	0.0	<10	35	6,910		
11								0.0	3.4	30.8	6,920		
12													

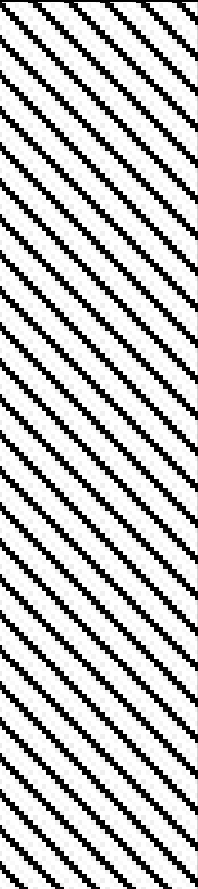

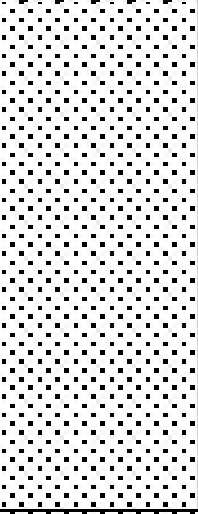
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BOREHOLE NUMBER:		LT-C-040		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Freezing Rain 32 °		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 feet						
Start Time:		11:30			Commpletion Time:		11:55						
Start Date:		2/5/2014			Completion Date:		2/5/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		4,720-5,070 cpm		Point				5,076 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3.5		SM	10YR5/4	Moist	Snow, Wood, Leaves, Silty Sand	0.0	11	24	5,800		
1													
2													
3				SW-SM	10YR5/1		Well Graded Medium Sand with Silt	0.0	14	18	6,970		
4					10YR5/4								
5	5	3.5		SW-SM	10YR5/2	Moist	Well Graded Fine Sand with Silt and Gravel	0.0	4.3	10	6,820		
6													
7													
8													
9													
10	5	3.5		SM	10YR6/2	Wet	Silty Sand with Gravel	0.0	4.2	8.4	6,850		

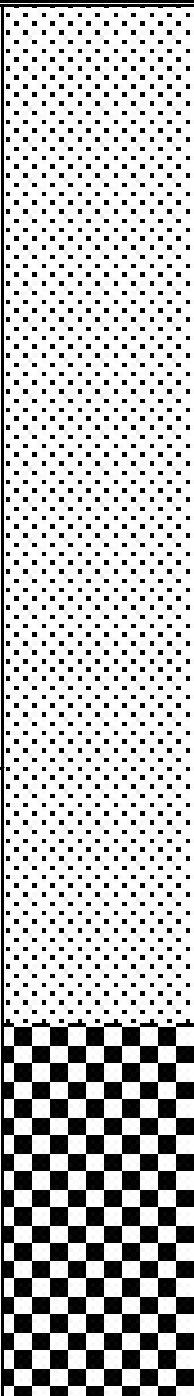
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-041		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Freezing Rain 32 °		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		11:30			Commpletion Time:		12:00						
Start Date:		2/5/2014			Completion Date:		2/5/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		4,120-4,560 cpm		Point				4,941 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3		SM	10YR5/3	Moist	Snow, Wood, Leaves, Silty Sand with Gravel	0.0	4.6	15	4,250		
1				SW-SM	Well Graded Medium Sand with Silt and Gravel		0.0	<1.6	12	4,280			
2													
3			ML	10YR5/1	Silt with Gravel		0.0	2.7	11	4,490			
4													
5													
6	5	4		ML	10YR5/1	Wet	Silt	0.0	3.4	12	5,120		
7													
8													
9													
10													
11	2	1.5		SC	10YR6/2	Wet	Clayey Sand with Gravel	0.0	<2	18	4,940		
12							5	<5	4,250				

SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-042		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Rain 32 °		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 feet						
Start Time:		12:20			Commpletion Time:		12:50						
Start Date:		2/5/2014			Completion Date:		2/5/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		4,740-5,850 cpm		Point				4,607 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3.5		SW-SM	10YR6/2	Wet	Snow, Wood, Leaves, Well Graded Fine Sand with Silt and Gravel	0.0	<1.6	14	5,350		
1													
2													
3													
4													
5	5	5		CL	10YR5/2		0.0	<1.5	10	5,780			
6													
7													
8													
9													
10	5	5		ML	10YR6/1	0.0	<1.5	16	6,270				
6													
7													
8													
9													
10													

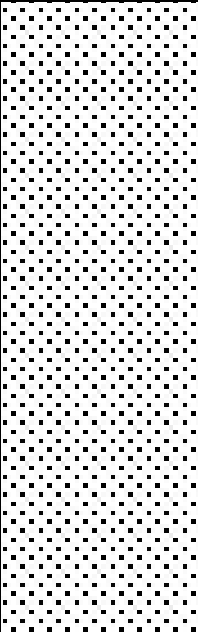
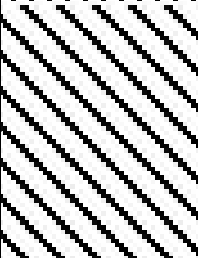
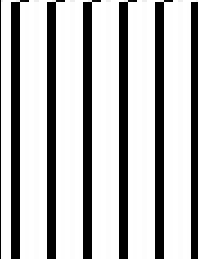
SOIL BORING LOG SHEET															
BOREHOLE NUMBER:		LT-C-043		Instrument		Model Number				Serial Number					
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576					
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301					
WEATHER:		Rain 32 °		SCALER:		Ludlum 12 / 44-9				186760 / PR153303					
Drilling Method:		Direct Push				Borehole Diameter:		2 inch							
Sampling Method:		Closed Piston				Borehole Depth:		12 feet							
Start Time:		12:20				Commpletion Time:		12:50							
Start Date:		2/5/2014				Completion Date:		2/5/2014							
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb			
Range		4,580-4,960 cpm		Point				4,502 cpm		14,648 cpm		24 ppm		400 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log			
0	5	3		SW-SM	10YR3/2	Wet	Grass, Well Graded Fine-Medium Sand with Silt and Gravel	0.0	<1.7	21	4,580				
1															
2															
3															
4															
5	5	3		CL	10YR4/1		Sandy Clay with Gravel	0.0	1.6	16	4,960				
6							Sandy Clay	0.0	<1.7	16	4,502				
7							Clay	0.0	<1.7	19	4,909				
8															
9															
10	2	2		SW-SM	10YR5/4		Well Graded Fine Sand with Silt	0.0	<1.5	11	4,820				
11				CL			Sandy Clay	0.0	<1.7	17	4,502				
12															

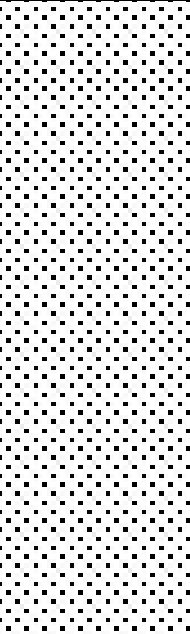
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-044		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Rain 32 °		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch					
Sampling Method:		Closed Piston				Borehole Depth:		12 feet					
Start Time:		13:20				Commpletion Time:		14:05					
Start Date:		2/5/2014				Completion Date:		2/5/2014					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		4,630-5,210 cpm		Point				4,287 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3		SM	10YR6/4	Moist	Silty Sand with Trace Gravel	0.0	7.1	5	5,400		
1				CL	10YR6/1		Clay	0.0	3.4	13	5,730		
2													
3													
4				SM	SW-SM		10YR5/6	Well Graded Medium Sand with Silt	0.0	<1.4	6.4		5,610
5													
6													
7													
8													
9	5	5		CL	10YR4/2	Wet	Sandy Clay	0.0	<1.6	18	6,040		
10													
11													
12													

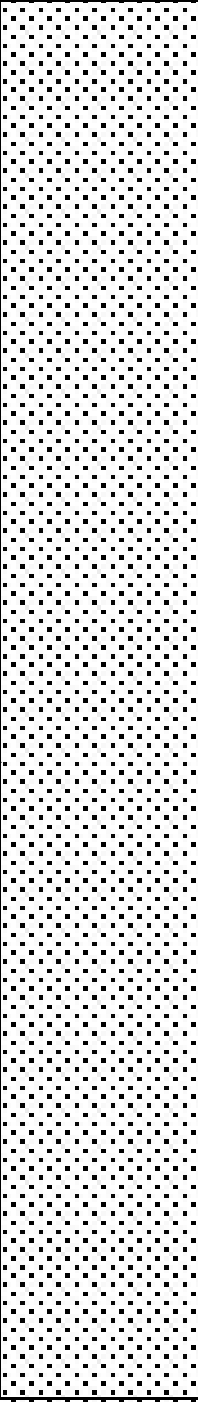

SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-045		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Partly Cloudy 21 °		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 feet						
Start Time:		12:50			Commpletion Time:		13:20						
Start Date:		2/6/2014			Completion Date:		2/6/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		3,120-3,410 cpm		Point				3,293 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3		CL	10YR4/1	Wet	Sandy Clay	0.0	8	105	3,890		
1													
2													
3													
4													
5					10YR2/2			0.0	<2	14	4,410		
6	5	3.5			10YR3/2			0.0	<1.5	16.7	4,760		
7													
8													
9													
10													
				SW	10YR4/6		Well Graded Fine Sand	0.0	2.8	11.4	4,270		
				SW-SM		Well Graded Fine Sand with Silt	0.0	7	16	4,380			

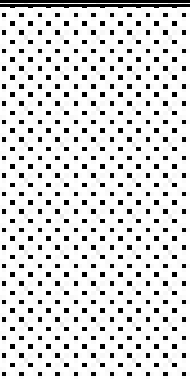

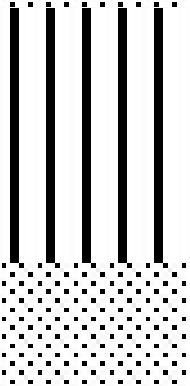

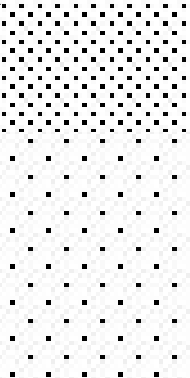

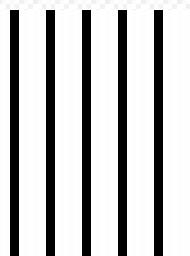
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-048		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sun 35°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Air Hammer			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 feet						
Start Time:		12:00			Commpletion Time:		12:50						
Start Date:		2/20/2014			Completion Date:		2/20/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		4,450-4,790 cpm		Point				4,961 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3		SW-SM	10YR5/3	Wet	Well Graded Medium Sand with Silt and Gravel	0.0	<10	13	4,960		
1													
2													
3													
4													
5	5	3.5		ML	10YR4/4	Moist	Wood, Asphalt, Well Graded Medium Sand with Silt and Gravel	0.0	<19	<21	4,880		
6													
7						Wet	Silt	0.5	<12	15	4,860		
8													
9													
10													

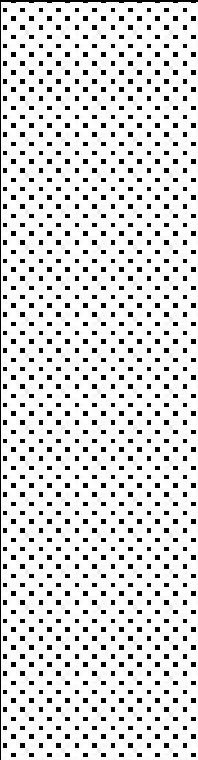
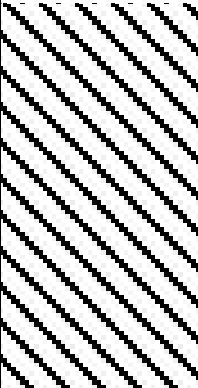
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-049		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sun 35°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Air Hammer			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 feet						
Start Time:		13:40			Commpletion Time:		14:30						
Start Date:		2/20/2014			Completion Date:		2/20/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		4,230-4,760 cpm		Point				4,894 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3		SW-SM	10YR4/4	Wet	Well Graded Medium Sand with Silt and Gravel	0.0	<17	<17	4,690		
1													
2													
3													
4							CL	10YR5/1	Moist	Clayey Sand with Gravel	0.0		<14
5				SW-SM	10YR5/3	Well Graded Medium Sand with Silt and Gravel	0.0	<7					
6	5	3.5		SM						Silty Sand with Gravel			
7					SW-SM	10YR5/1	Wet	Well Graded Medium Sand with Silt and Gravel	0.5	<68	<65		4,860
8													
9								SM	Silty Sand with Gravel	0.0	<7		19
10													

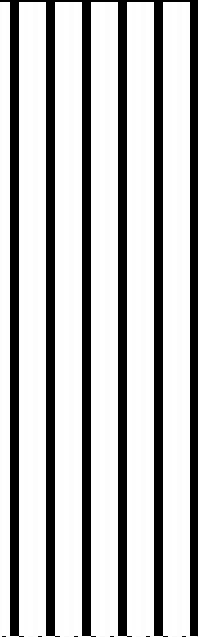
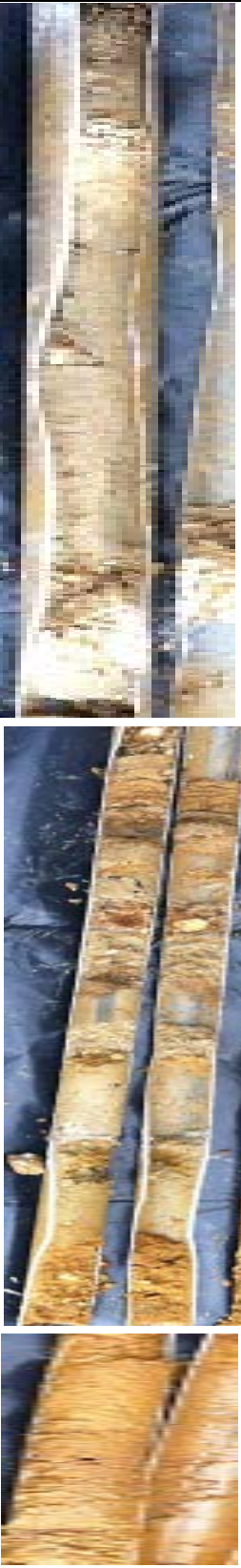
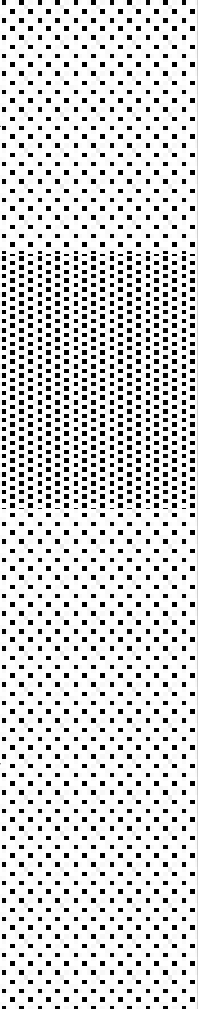
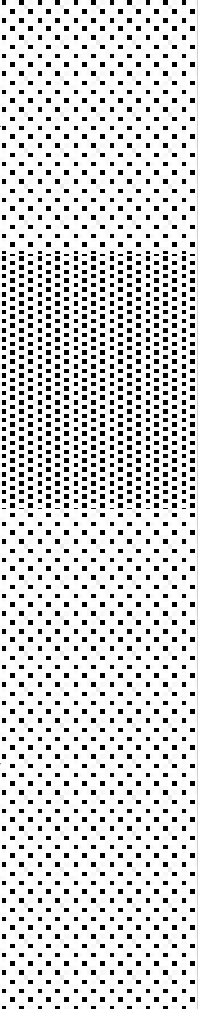
SOIL BORING LOG SHEET															
BOREHOLE NUMBER:		LT-C-053		Instrument		Model Number				Serial Number					
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576					
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301					
WEATHER:		Mist 37°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303					
Drilling Method:		Air Hammer			Borehole Diameter:		2 inch								
Sampling Method:		Closed Piston			Borehole Depth:		10 feet								
Start Time:		11:10			Commpletion Time:		12:30								
Start Date:		2/21/2014			Completion Date:		2/21/2014								
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb			
Range				Point				14,648 cpm		24 ppm		400 ppm			
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log			
0	5	3.5		SW-SM	10YR2/1	Wet	Well Graded Medium Sand with Silt and Gravel, some brick	0.0	31	147	4,280				
1					10YR5/3										
2															
3				10YR5/1	Moist										
4															
5				CL	10YR2/1		0.0	<5.6	36	4,285					
6					10YR4/1										
7				5	4		SM	10YR3/2	Wet	Ash, Silty Sand with Gravel	0.5		17.6	22	5,410
8															
9														Bog	0.0
10															

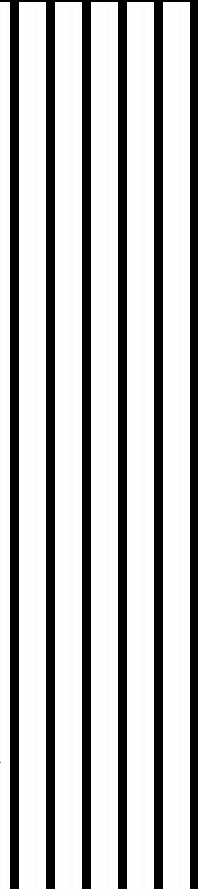

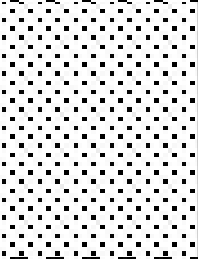
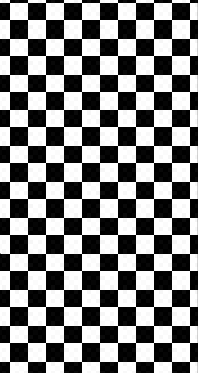

SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-054		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Mist 37°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Air Hammer			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		5 feet						
Start Time:		12:40			Commpletion Time:		13:50						
Start Date:		2/21/2014			Completion Date:		2/21/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range				Point				14,648 cpm		24 ppm		400 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		SW-SM	10YR3/1	Wet	Well Graded Medium Sand with Silt and Gravel	0.0	10	26	4,066		
1					10YR3/3	Moist							
2													
3				10YR5/1	Wet	0.0		<5.6	14	4,465			
4													
5			SM		Wet		Silty Sand with Gravel				0.0		<3.7

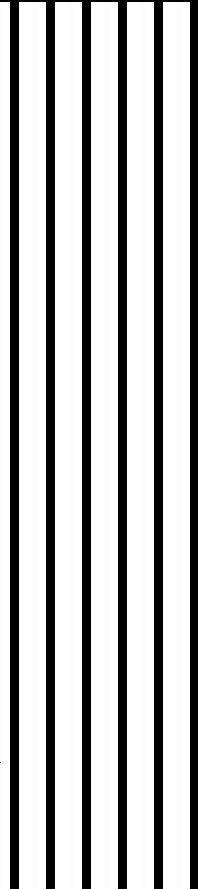

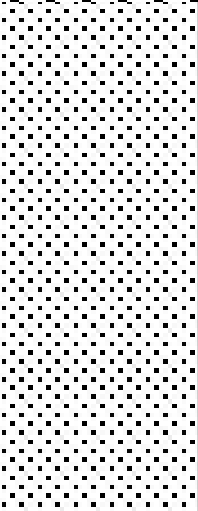
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-055		Instrument		Model Number				Serial Number			
GEOLOGIST:		DNE		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Partly Cloudy 22 °		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 feet						
Start Time:		12:15			Commpletion Time:		12:45						
Start Date:		2/10/2014			Completion Date:		2/10/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		2,340-2,590 cpm		Point				2,351 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	2.5		SW	10YR2/2	Wet	Medium-Fine Sands, Silt, Trace Gravel.	0.0	< 1.8	28	3,910		
1													
2													
3													
4													
5	5	1.5		SW	10YR5/4	Wet	Medium-Fine Sands, Trace Silt, Gravel.	0.0	3.1	53	3,880		
6													
7													
8													
9													
10	5	1.5	SW	10YR4/2	Wet	Medium-Fine Sands, trace Gravel, Trace Silt.	0.0	14.2	29	3,850			
6													
7													
8													
9													
10	5	1.5	SW	10YR4/2	Wet	Medium-Fine Sands, trace Gravel, Trace Silt.	0.0	8.4	7	3,900			
6													
7													
8													
9													
10	5	1.5	SW	10YR4/2	Wet	Medium-Fine Sands, trace Gravel, Trace Silt.	0.0	14.3	< 1.9	3,780			
6													
7													
8													
9													

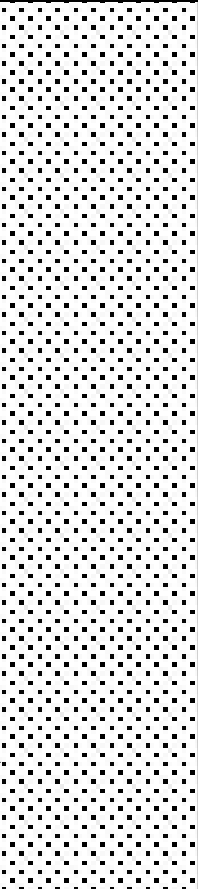

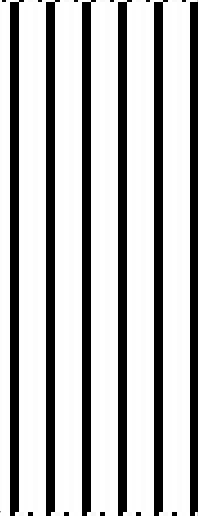
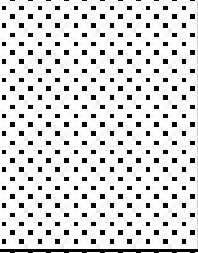
SOIL BORING LOG SHEET														
BOREHOLE NUMBER:		LT-C-056		Instrument		Model Number				Serial Number				
GEOLOGIST:		DNE		PID:		RAE Systems - PGM7600				110-009576				
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301				
WEATHER:		Partly Cloudy 22 °		SCALER:		Ludlum 12 / 44-9				186760 / PR153303				
Drilling Method:		Direct Push			Borehole Diameter:		2 inch							
Sampling Method:		Closed Piston			Borehole Depth:		10 feet							
Start Time:		14:00			Commpletion Time:		14:20							
Start Date:		2/10/2014			Completion Date:		2/10/2014							
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb		
Range		5,130-5,630 cpm		Point				5,347 cpm		14,648 cpm		24 ppm		400 ppm
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log		
0	5	2.5		SW	10YR3/4	Dry	Medium-Fine Sands, Silt and Gravel.	0.0	49	54	3,940			
1														
2														
3														
4														
5	5	4		SM	10YR3/6	Moist	Fine Sands, Silt.	0.0	20	20	4,010			
6														
7														
8														
9														
10	5	4		SW	10YR2/1	Wet	Medium-Fine Sands, Silt, and Gravel. Petroleum Staining.	65.0	17	17	4,080			
6														
7														
8														
9														
10	5	4		GW	10YR2/2	Moist	Gravely Sand	62.0	29	29	3,830			
6														
7														
8														
9														
10	5	4		SM	10YR2/2	Moist	Fine Sands & Organic Material.	4.0	4.5	4.5	3,840			
6														
7														
8														
9														

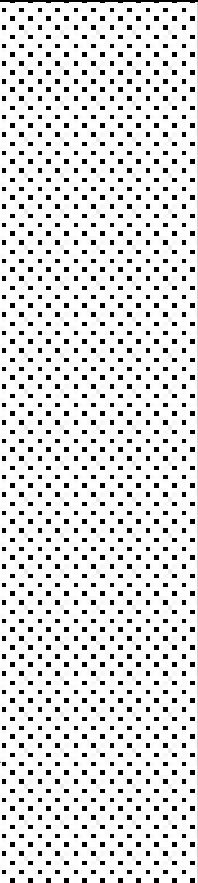
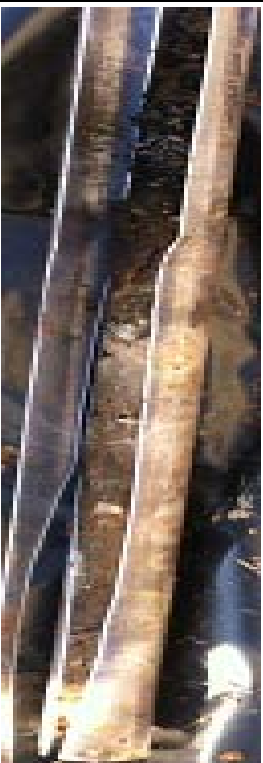
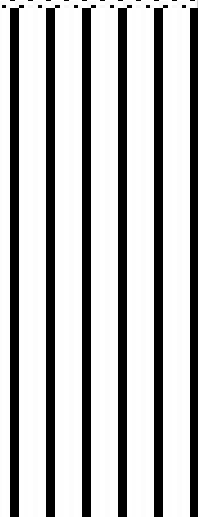
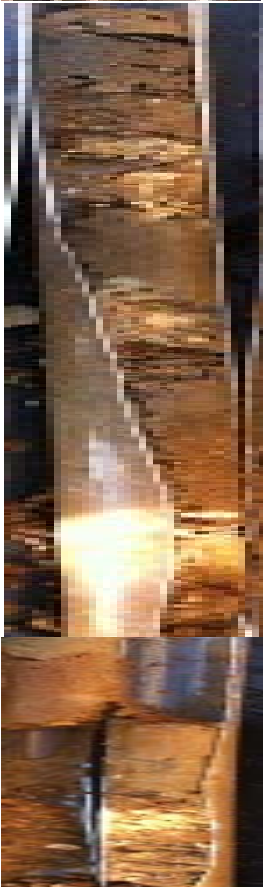
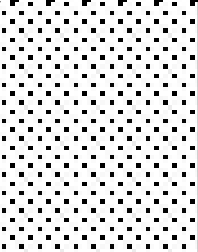
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-C-057		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Mist 37°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Air Hammer			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 feet						
Start Time:		14:05			Commpletion Time:		15:00						
Start Date:		2/21/2014			Completion Date:		2/21/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range				Point				14,648 cpm		24 ppm		400 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3.5		SW-SM	10YR3/1	Wet	Well Graded Medium Sand with Silt and Gravel	0.0	<17	18	5,580		
1													
2													
3													
4													
5													
6	5	4		CL	10YR5/1	Wet	Clayey Sand with Gravel	0.5	<7	3.7	5,685		
7													
8													
9													
10													
					10YR3/2		Bog	0.0	<4.7	<3	5,170		

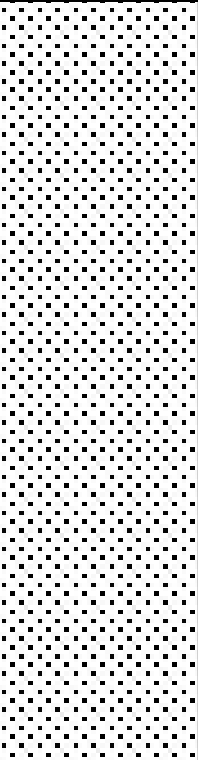

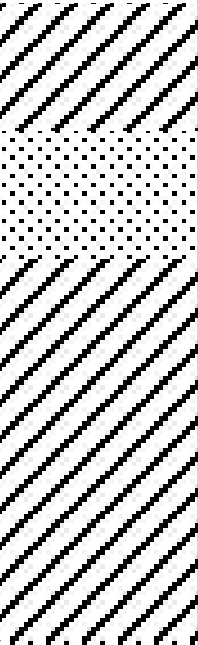
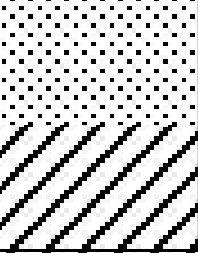
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-X-001		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Clouds 36°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch					
Sampling Method:		Closed Piston				Borehole Depth:		12 feet					
Start Time:		10:45				Commpletion Time:		11:35					
Start Date:		1/16/2014				Completion Date:		1/16/2014					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		5,800-6,500 cpm		Point				6,361 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3		SM	10YR4/3	Moist	Wood, Grass, Silty Sand with Gravel.		5	25	NA		
1								0.0					
2								0.0					
3													
4													
5	5	3		SW-SM	10YR5/4	Dry	Well Graded, Medium Sand with Silt and Gravel	0.0	3	6	6700		
6				SP-SM	10YR5/5		Poorly Graded Medium Sand and Gravel.	0.0	7	<3	6400		
7				SW-SM	10YR5/3	Moist	Well Graded, Medium Sand with Silt and Gravel	0.0	12	9	6750		
8													
9													
10	2	2		SW-SM	10YR5/8	Wet	Well Graded, Medium Sand with Silt and Gravel	0.0	<3	11	6500		
11													
12													

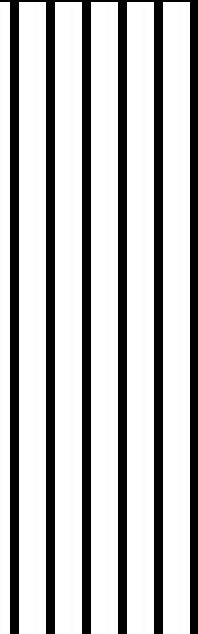

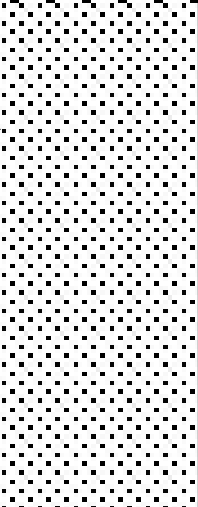
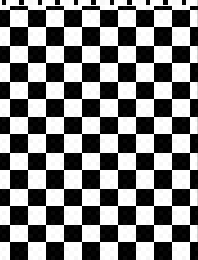
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-X-002		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Clouds 38°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch					
Sampling Method:		Closed Piston				Borehole Depth:		12 feet					
Start Time:		11:50				Commpletion Time:		12:30					
Start Date:		1/16/2014				Completion Date:		1/16/2014					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		4,350-4,500 cpm		Point				4,444 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	2.5		SM	10YR6/4	Moist	Silty Sand and Gravel	0.0	3	7	6100		
1								0.0	8	11	6270		
2													
3													
4													
5	5	3		SW-SM	10YR5/2		0.0	<4	12	6800			
6							0.0	<1.8	8	7100			
7													
8													
9					2		2		ML	10YR5/6	0.0		1.7
10													
11	2	2		ML						10YR4/1	0.0		<47
12					SC	Clayey Sand							

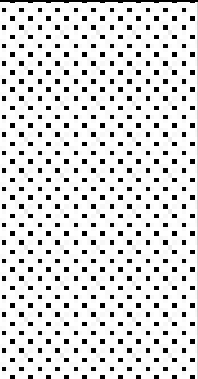

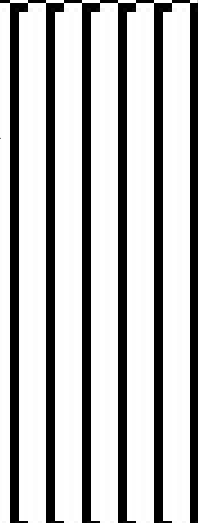
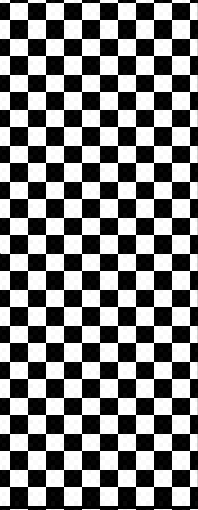
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-X-003		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Clouds 38°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch					
Sampling Method:		Closed Piston				Borehole Depth:		12 feet					
Start Time:		13:20				Commpletion Time:		13:53					
Start Date:		1/16/2014				Completion Date:		1/16/2014					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		4,560-4,710 cpm		Point				4,692 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		SM	10YR3/2	Dry	Silty Sand and Gravel	0.0	7	26	6750		
1					10YR4/4			0.0	<5	16	6800		
2								0.0	<3	19	7020		
3								Well Graded, Medium Sand and Gravel	0.0	<4	15		6980
4									0.0	3	11		6890
5	Crushed Brick												
6		5	3		SW-SM	10YR4/6	Clay		0.0	<2	21		6710
7	10YR5/4					Clay							
8								Crushed Brick					
9	Clay												
10		Clay											
11	Clay												
12		Clay											

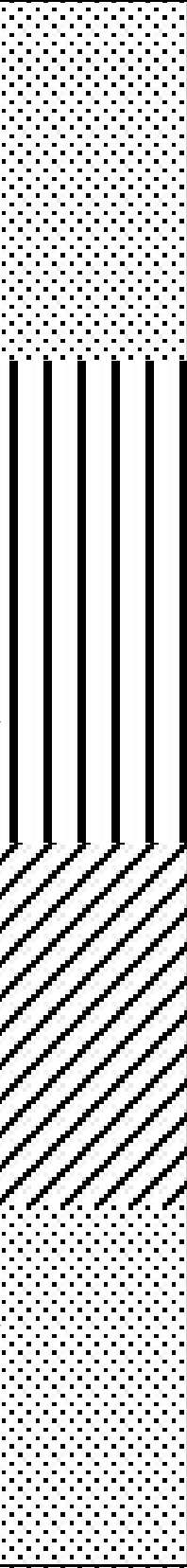

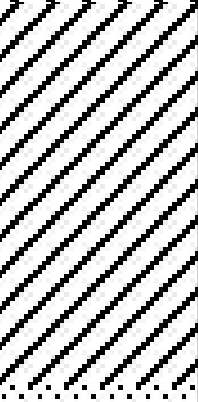
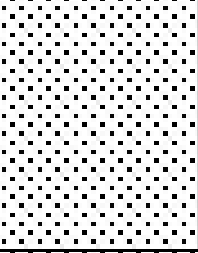
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-X-004		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sunny 25°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		8:00			Commpletion Time:		8:50						
Start Date:		1/17/2014			Completion Date:		1/17/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		4,850-6,210 cpm		Point				5,424 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3		SW	10YR4/4	Dry	Asphalt, Well Graded Medium Sand with Gravel	0.0	<3	30	NA		
1													
2													
3					10YR4/6	Moist		0.0	9	13	7640		
4													
5	5	3		SM	10YR3/6	Moist	0.0	<4	8	7820			
6					10YR4/6	Dry	0.0	3	8	7700			
7													
8													
9					10YR4/4	Dry	0.0	1.9	12	7750			
10													
11	2	1.5		SW	10YR4/6	Moist	Well Graded Medium Sand with Gravel	0.0	3.2	3.7	7400		
12													

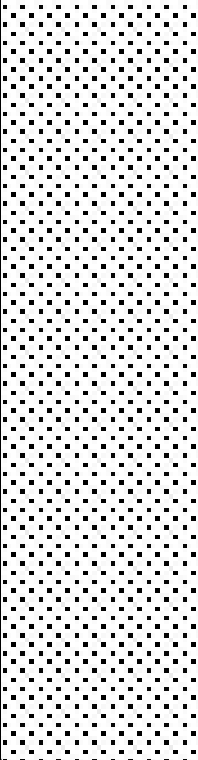
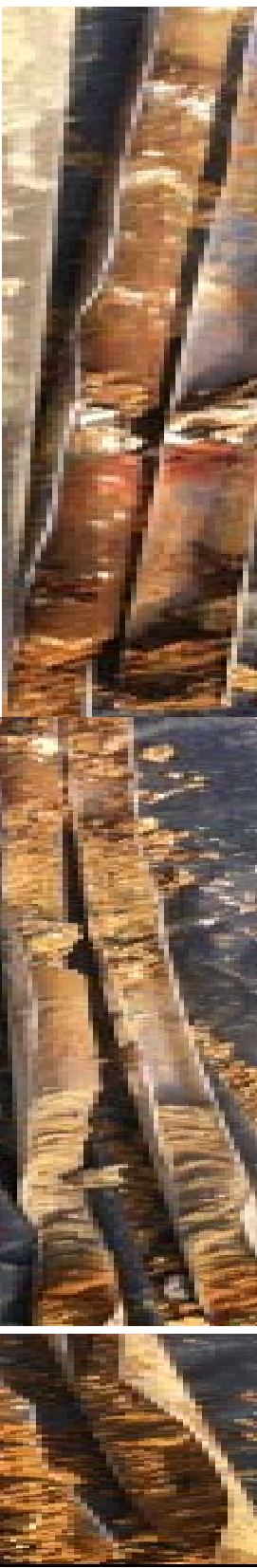
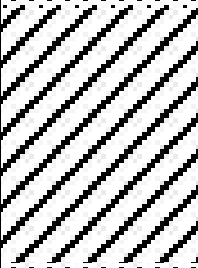
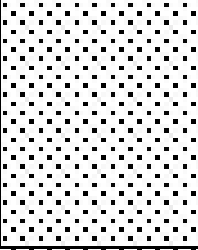
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-X-005		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sunny 25°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		9:00			Commpletion Time:		9:20						
Start Date:		1/17/2014			Completion Date:		1/17/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		5,400-6,500 cpm		Point				6,315 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	1.5		SW-SM	10YR4/3	Dry	Asphalt, Well Graded Medium Sand with Silt and Gravel	0.0	13	143	NA		
1													
2													
3													
4													
5	5	2		SW	10YR4/6	Moist	Well Graded Medium Sand with Gravel	0.0	<3	23	6315		
6													
7													
8													
9													
10	2	2		SW	10YR4/6	Wet	Well Graded Medium Sand with Gravel	0.0	<3	32	8100		
11													
12													

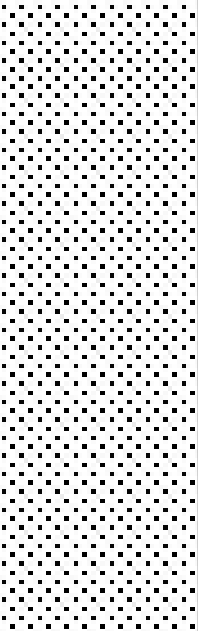

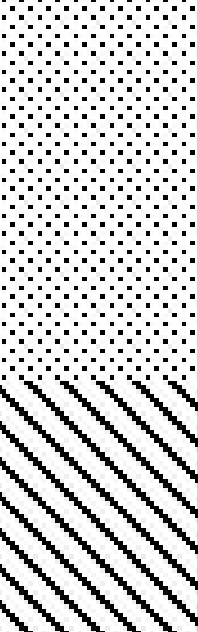
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-X-006		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sunny 35°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		9:35			Commpletion Time:		10:40						
Start Date:		1/17/2014			Completion Date:		1/17/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		4,550-5,900 cpm		Point				7,637 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	2.5		SW-SM	10YR4/3	Moist	Asphalt, Well Graded Medium Sand with Some Silt and Gravel	0.0	6	79	NA		
1					10YR4/6								
2													
3													
4													
5	5	4.5		SC	Wet	Clayey Sand with Gravel	0.0	<1.8	8	7380			
6				SW		Well Graded Medium Sand with Gravel	0.0	5	16	8120			
7				SC		Clayey Sand							
8													
9													
10	2	2		SW	10YR4/6	Well Graded Medium Sand with Gravel	0.0	<3	9	7430			
11						Clayey Sand with Gravel							
12													

SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-X-007		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sunny 35°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		10:50			Commpletion Time:		11:15						
Start Date:		1/17/2014			Completion Date:		1/17/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		4,280-6,510 cpm		Point				4,466 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	2.5		SM	10YR4/6	Dry	Asphalt, Silty Sand with Gravel		7	54	7890		
1								0.0					
2								0.0					
3													
4													
5	5	3		SW	10YR6/1	Moist	Well Graded Medium Sand with Gravel	0.0	<2	10	8160		
6								0.0					
7													
8													
9								10	ML	10YR4/1	Silt		0.0
10	0.0	<1.8	13	7960									
11	2	1.5		SW	10YR4/1	Wet	Well Graded Medium Sand with Gravel	0.0	<1.9	11	8120		
12								0.0	<1.9	11	8120		

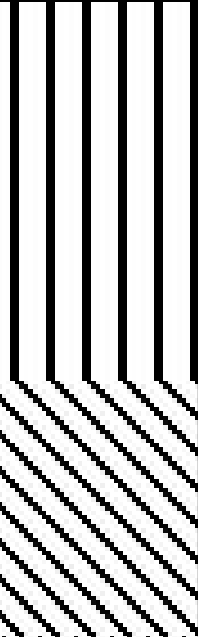

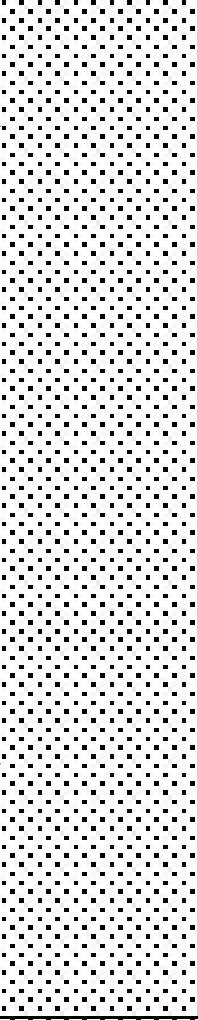
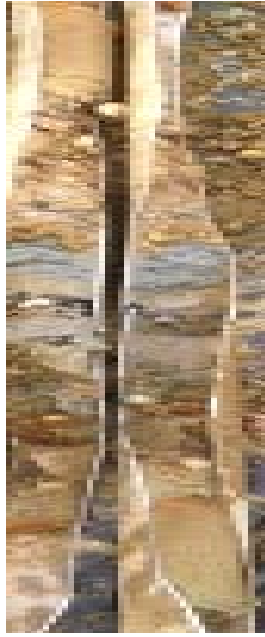
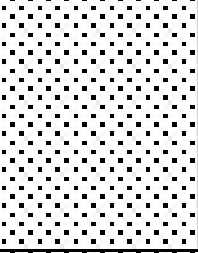

SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-X-008		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Cloudy 29°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		9:20			Commpletion Time:		10:00						
Start Date:		1/27/2014			Completion Date:		1/27/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		4,100-4,700 cpm		Point				4,228 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		SW-SM	10YR4/2	Dry	Asphalt, Well Graded Medium Sand with Silt and Gravel	0.0	10	34	7,250		
1			10YR4/4		Silt								0.0
2													
3				ML	0.0	6	10	7,380					
4													
5	5	4.5		SM	10YR3/2	Moist	Silty Sand with Gravel	0.0	5	16	7,200		
6													10YR6/2
7													
8				ML	10YR5/6	Silt with Gravel	0.0	64	75	7,210			
9													
10													
11	2	2		10YR4/1	Wet	0.0	11	10	7,300				
12													

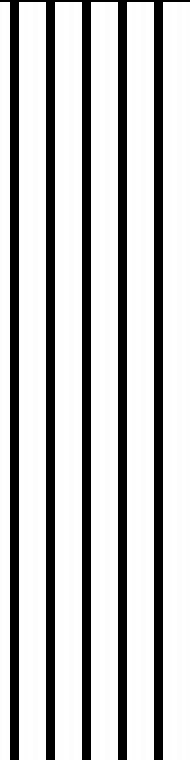
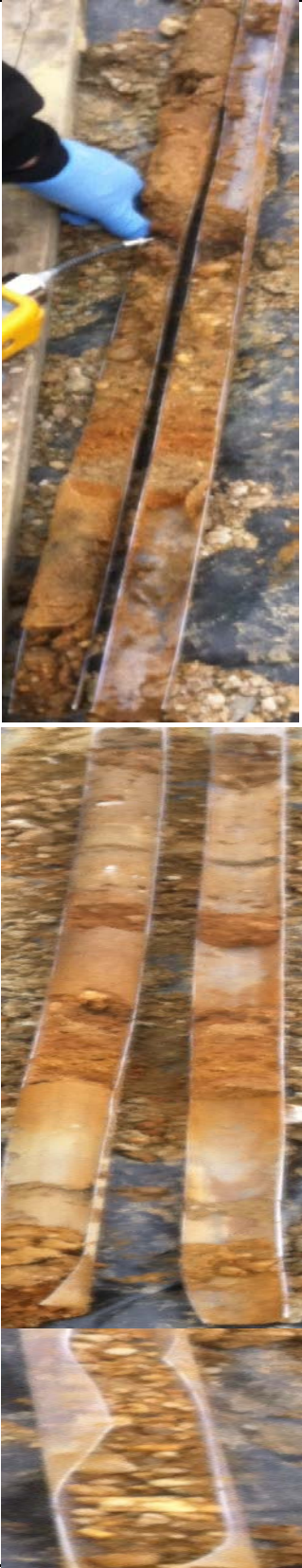
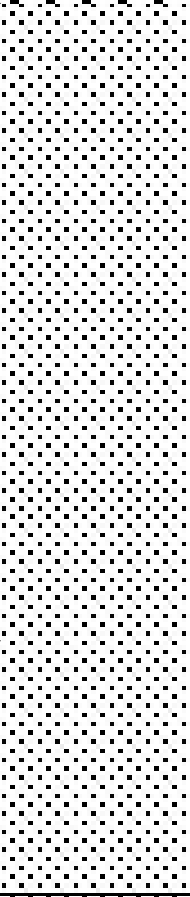
SOIL BORING LOG SHEET															
BOREHOLE NUMBER:		LT-X-009		Instrument		Model Number				Serial Number					
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576					
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301					
WEATHER:		Cloudy 29°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303					
Drilling Method:		Direct Push				Borehole Diameter:		2 inch							
Sampling Method:		Closed Piston				Borehole Depth:		12 feet							
Start Time:		10:20				Commpletion Time:		10:55							
Start Date:		1/27/2014				Completion Date:		1/27/2014							
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb			
Range		4,260-4,810 cpm		Point				4,447 cpm		14,648 cpm		24 ppm		400 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log			
0	5	3.5		SW-SM	10YR4/3	Dry	Asphalt, Well Graded Medium Sand with Silt and Gravel	0.0	42	42	6,980				
1															
2															
3															
4															
5				SM	10YR4/2		Silty Sand	0.0	<6	54	7,160				
6	5	4			10YR5/4			0.0	8	8	7,320				
7															
8						SC	10YR5/6		Clayey Sand	0.0	<5		14	7,460	
9							10YR5/3			0.0	15		12	7,110	
10				SW-SM	10YR3/6	Wet	Well Graded Medium Sand with Silt and Gravel								
11	2	2		SW	10YR4/1		Well Graded Medium Sand with Gravel	0.0	1.9	4.7	7,230				
12															

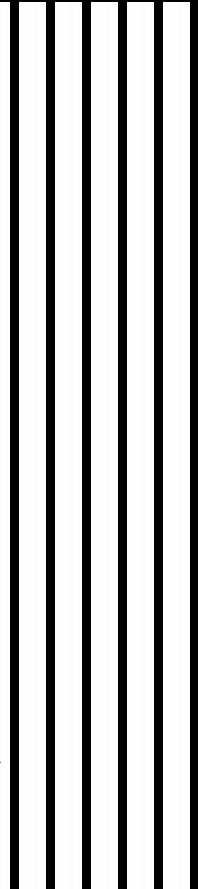

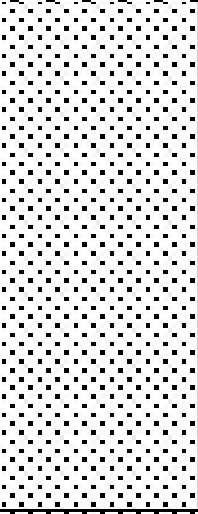
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-G-004		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sunny 11°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch					
Sampling Method:		Closed Piston				Borehole Depth:		12 feet					
Start Time:		9:15				Commpletion Time:		9:50					
Start Date:		1/28/2014				Completion Date:		1/28/2014					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		5,840-5,780 cpm		Point				5,655 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3		SW-SM	10YR4/4	Dry	Well Graded Medium Sand with Silt and Gravel	0.0	<7	40	6,790		
1													
2													
3													
4													
5	5	4		SW	10YR4/8	Wet	Well Graded Medium Sand with Gravel and Brick	0.0	3.5	17.6	7,110		
6													
7				SC	10YR4/3		Sandy Clay	0.0	14	20	6,690		
8													
9				SW-SM	10YR4/2		Well Graded Fine Sand with Silt	0.0	<4	33	6,625		
10													
11	2	2		SW	10YR5/8	Well Graded Fine Sand with Gravel	0.0	4	8	6,510			
12					10YR4/1								

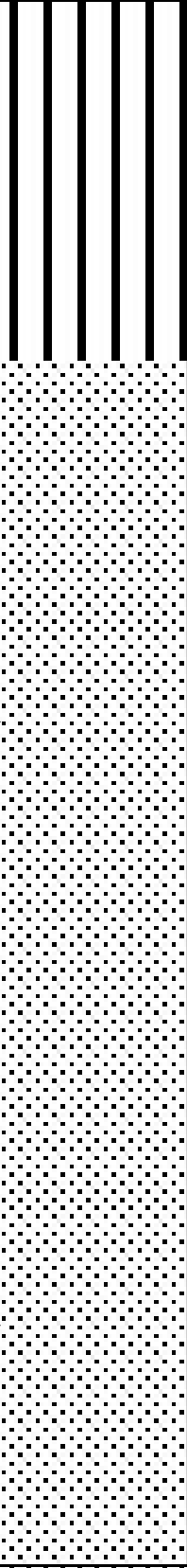

SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-G-005		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sunny 11°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch					
Sampling Method:		Closed Piston				Borehole Depth:		12 feet					
Start Time:		10:10				Commpletion Time:		10:45					
Start Date:		1/28/2014				Completion Date:		1/28/2014					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		4,590-5,720 cpm		Point				4,635 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	2.5		SW-SM	10YR5/2	Wet	Well Graded Medium Sand with Silt and Gravel	0.0	8	32	7,010		
1					10YR4/1			0.0	<4	<5	7,140		
2				Silty Sand			0.0	<20	46	7,190			
3											Well Graded Medium Sand with Silt and Gravel		0.0
4				CL	10YR6/3		0.0	18	26	6,840			
5	10YR4/1	0.0	9								12		6,800
6				5	5			SW-SM	10YR4/3	Well Graded Medium Sand with Silt and Gravel			
7	CL	10YR6/3	0.0						18		26		6,840
8								10YR4/1		0.0			
9	10YR4/1	0.0	9						12		6,800		
10								10YR4/1		0.0			9
11	10YR4/1	0.0	9	12	6,800								
12						10YR4/1	0.0	9	12	6,800			

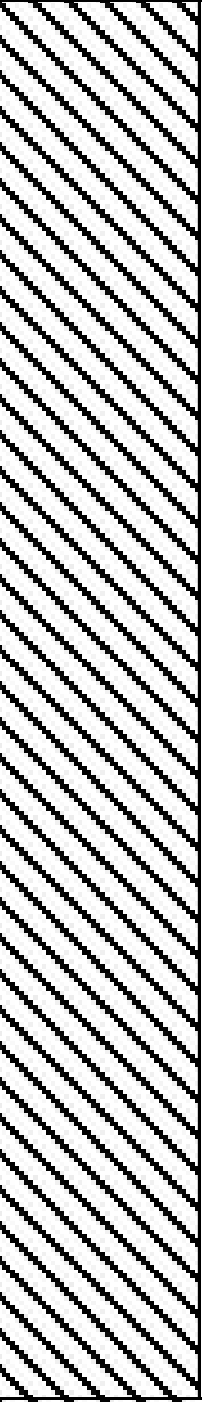

SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-G-006		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sunny 11°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch					
Sampling Method:		Closed Piston				Borehole Depth:		12 feet					
Start Time:		11:30				Commpletion Time:		12:00					
Start Date:		1/28/2014				Completion Date:		1/28/2014					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		5,700-6,250 cpm		Point				6,332 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3	<div></div>	SM	10YR4/2	Moist	Grass, Leaves, Silty Sand with Gravel	0.0	18	18	6,540	<div></div>	
1			<div></div>										
2			<div></div>										
3			<div></div>	SW	10YR4/1		Well Graded Medium Sand with Gravel	0.0	11	26	6,710		
4													
5													
6	5	4	<div></div>	SW	10YR4/6	Wet	Silty Sand	0.0	<8	30	6,730		
7													
8													
9													
10	2	2	<div></div>	SM	10YR5/2	10YR3/3	0.0	9	12	7,090			
11													
12													

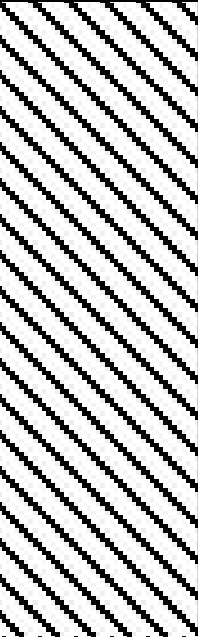
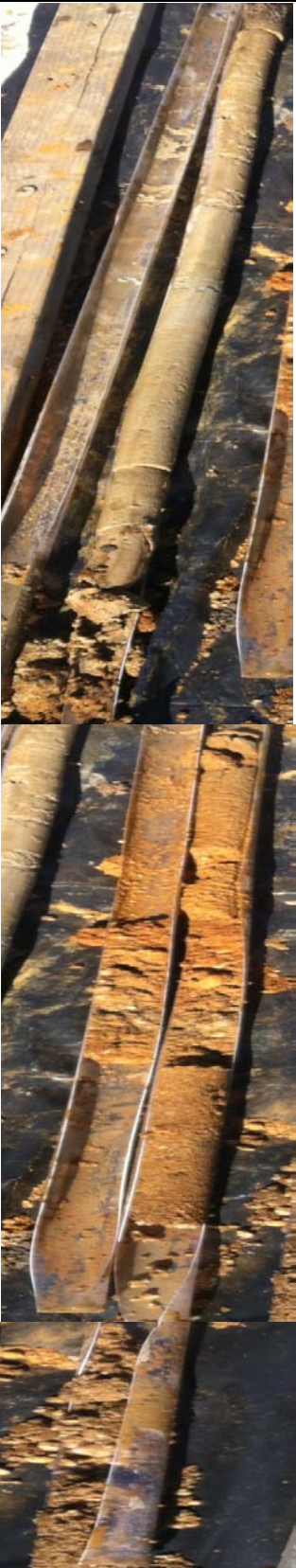
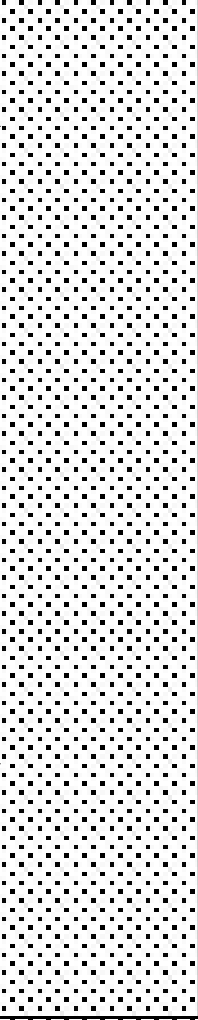
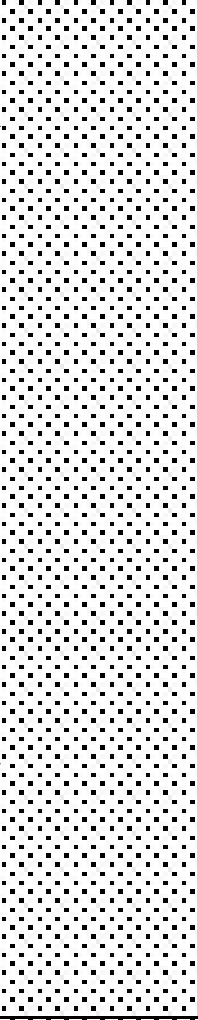
SOIL BORING LOG SHEET																	
BOREHOLE NUMBER:		LT-G-007		Instrument		Model Number				Serial Number							
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576							
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301							
WEATHER:		Sunny 11°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303							
Drilling Method:		Direct Push			Borehole Diameter:		2 inch										
Sampling Method:		Closed Piston			Borehole Depth:		12 feet										
Start Time:		12:40			Commpletion Time:		13:45										
Start Date:		1/28/2014			Completion Date:		1/28/2014										
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb					
Range		6,120-6,980 cpm		Point				6,785 cpm		14,648 cpm		24 ppm		400 ppm			
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log					
0	5	2.5		SM	10YR4/4	Moist	Well Graded Silty Sand with Gravel	0.0	5	26	7,075						
1																	
2																	
3						CL	10YR5/4		Silty Clay with Gravel	0.0	4		17	6,725			
4																	
5	5	3		SW	10YR5/1	Wet	Well Graded Medium Sand with Gravel	0.0	<4	20	7,360						
6																	
7																	
8																	
9																	
10	2	2		SW	10YR5/3	Wet	Well Graded Medium Sand with Gravel	0.0	6	11	7,050						
11																	
12																	
					10YR6/3		Well Graded Fine Sand	0.0	<1	10.8	7,350						

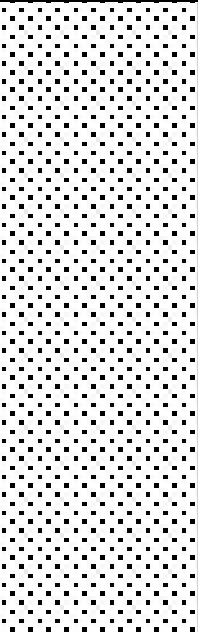

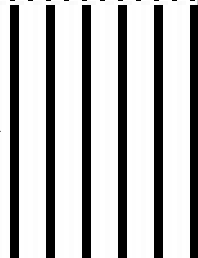

SOIL BORING LOG SHEET														
BOREHOLE NUMBER:		LT-G-008		Instrument		Model Number				Serial Number				
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576				
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301				
WEATHER:		Sunny 11°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303				
Drilling Method:		Direct Push				Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston				Borehole Depth:		12 feet						
Start Time:		14:00				Commpletion Time:		14:35						
Start Date:		1/28/2014				Completion Date:		1/28/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb		
Range		6,050-6,730 cpm		Point				6,665 cpm		14,648 cpm		24 ppm		400 ppm
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log		
0	5	3.5		SM	10YR4/4	Dry	Grass, Silty Sand with Gravel	0.0	8	13	6,970			
1														
2														
3				10YR4/6	0.0	4	18	6,840						
4														
5	10YR6/2	0.0	4.5	20	7,200									
6	5	4		SW-SM	10YR4/6	Wet	Well Graded Medium Sand with Silt and Gravel	0.0	15	15	6,940			
7														
8														
9				10YR3/4	0.0	8	<4	7,320						
10														
11	2	3"												
12														

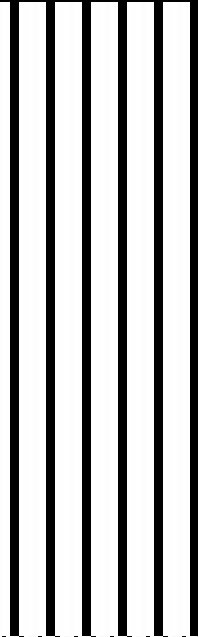

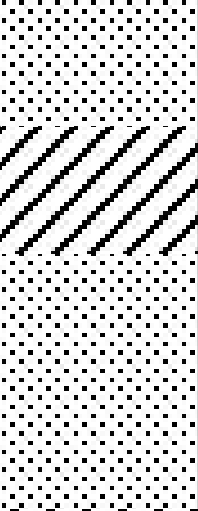
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-G-009		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Cloudy 17°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 feet						
Start Time:		8:30			Commpletion Time:		9:00						
Start Date:		1/29/2014			Completion Date:		1/29/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		6,840-7,510 cpm		Point				7,776 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	2.5		SM	10YR5/2	Dry	Silty Sand	0.0	<4	37	7,100		
1													
2													
3					10YR4/3		0.0	5	9	6,850			
4													
5	10YR4/4	Silty Sand with Gravel	0.0	6	14	6,790							
6	5	2.5		SW-SM	10YR3/4	Moist	Well Graded Sand with Silt and Gravel	0.0	4.7	7	7,000		
7													
8					10YR4/2	Wet	0.0	6	14	6,970			
9													
10													

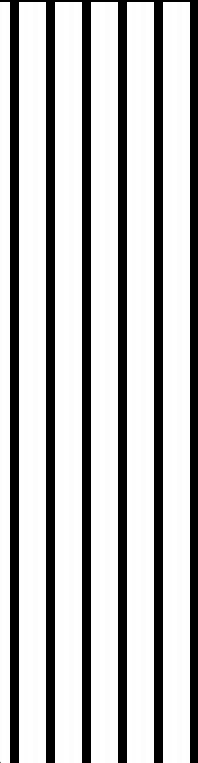
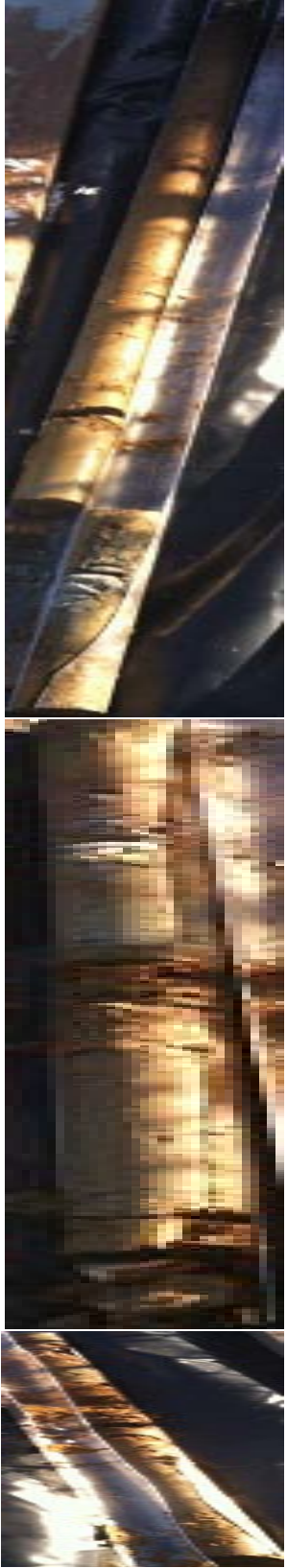
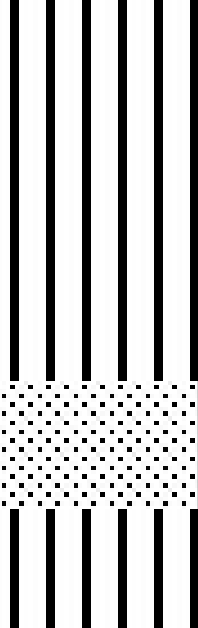
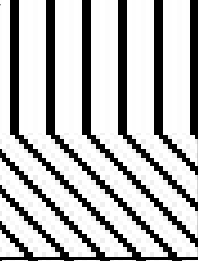
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-G-010		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Cloudy 17°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		9:20			Commpletion Time:		10:20						
Start Date:		1/29/2014			Completion Date:		1/29/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		5,240-6,010 cpm		Point				5,775 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	2.5		SM	10YR3/2	Wet	Wood, Leaves, Silty Sand	0.0	9	16	7,080		
1					10YR3/6								
2													
3													
4				SW-SM	10YR3/4	Moist	Well Graded Medium Sand with Silt and Gravel	0.0	<1.1	12.7	6,570		
5													
6													
7	10YR4/4	Wet	Well Graded Sand with Silt and Gravel		0.0	23	<2.6	6,590					
8													
9													
10	2	4	6"	10YR4/4	Wet	Well Graded Sand with Silt and Gravel	0.0	62	3.2	5,750			
11													
12													

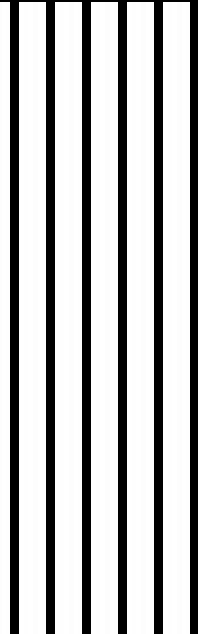

SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-G-011		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Cloudy 17°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 feet						
Start Time:		10:30			Commpletion Time:		11:20						
Start Date:		1/29/2014			Completion Date:		1/29/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		5,430-6,420 cpm		Point				5,943 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		CL	10YR4/1	Moist	Clay	0.0	2	16	6,970		
1													
2													
3													
4													
5	5	5		CL	10YR3/1	Wet	Clay	0.0	1.7	16	7,180		
6													
7													
8													
9													
10													

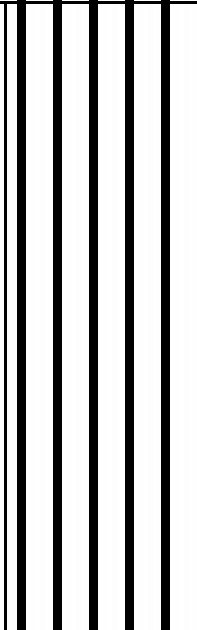
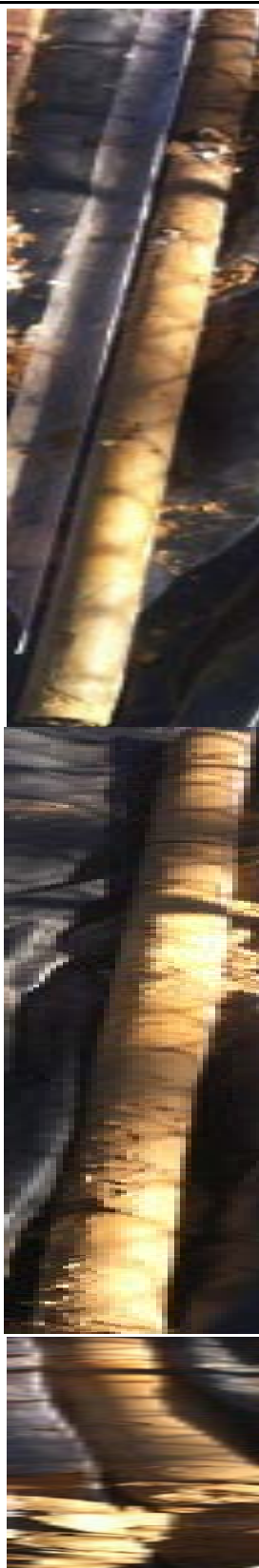
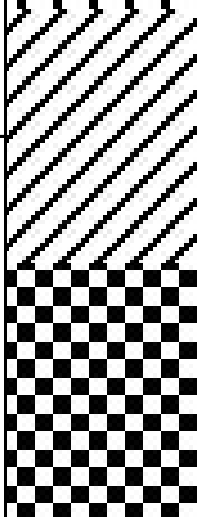
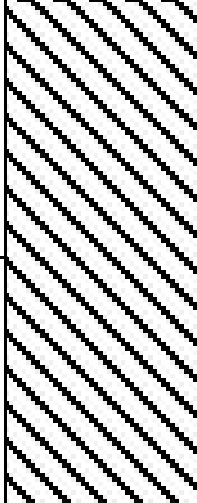
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BOREHOLE NUMBER:		LT-G-012		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Cloudy 17°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		11:30			Commpletion Time:		12:00						
Start Date:		1/29/2014			Completion Date:		1/29/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		6,550-6,840 cpm		Point				6,794 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4.5		CL	10YR4/3	Moist	Silty Clay	0.0	<1.7	16	6,545		
1													
2													
3													
4													
5	SW	10YR5/8	Wet	Clay	0.0	13	5.1	6,760					
6				Well Graded Fine Sand	0.0	<1.5	17	6,550					
7				Well Graded Fine Sand with Gravel	0.0	3	4.8	7,020					
8					5	4		10YR4/6	0.0	3	6.3		7,100
9													
10													
11				2	1.5		10YR45/4	Wet	Well Graded Fine Sand with Gravel	0.0	<1.4		10.2
12													

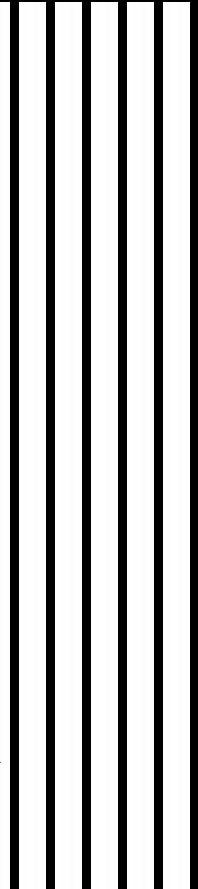

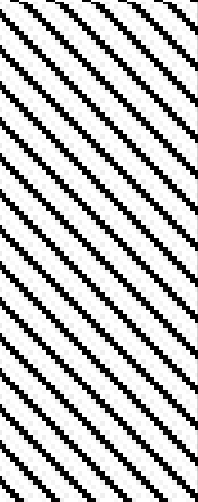
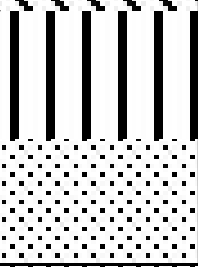
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-G-013		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Cloudy 17°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch					
Sampling Method:		Closed Piston				Borehole Depth:		12 feet					
Start Time:		13:00				Commpletion Time:		13:45					
Start Date:		1/29/2014				Completion Date:		1/29/2014					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		6,050-6,410 cpm		Point				6,259 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		SW-SM	10YR5/3	Dry	Well Graded Medium Sand with Silt and Gravel	0.0	3.6	12.7	6,815		
1													
2													
3													
4													
5	5	5		SM	10YR4/3	Moist	Silty Sand	0.0	3.5	12.1	7,020		
6													
7				SW	10YR3/6	Wet	Well Graded Fine Sand	0.0	5.7	8.9	7,580		
8													
9													
10	SC	10YR5/4	Clayey Sand	0.0	27		42	7,350					
11													
12	2	2.5		SM	Silty Sand	0.0	<8	38	7,160				

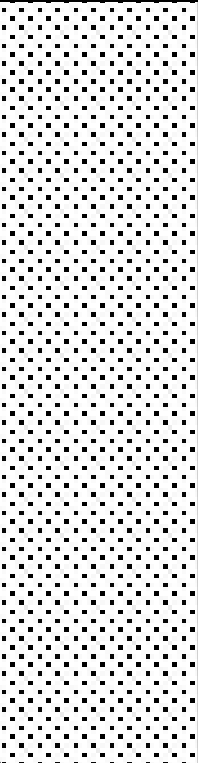

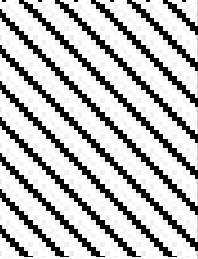
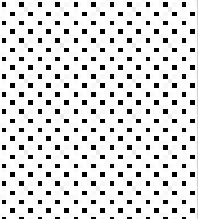
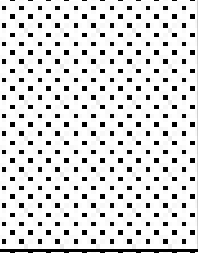
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-G-014		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Cloudy 17°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push				Borehole Diameter:		2 inch					
Sampling Method:		Closed Piston				Borehole Depth:		10 feet					
Start Time:		13:55				Commpletion Time:		14:25					
Start Date:		1/29/2014				Completion Date:		1/29/2014					
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		6,675-7,460 cpm		Point				6,831 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		SM	10YR5/4	Moist	Silty Sand with Gravel	0.0	8	15	6,950		
1					10YR4/3			0.0	8	24	6,790		
2													
3													
4													
5	5	4		SW-SM	10YR4/4	Wet	Well Graded Medium Sand with Silt and Gravel	0.0	<8	26	6,540		
6				SC	10YR4/1		Clayey Sand						
7				SW-SM	10YR4/4		Well Graded Medium Sand with Silt and Gravel	0.0	3.5	7.2	6,540		
8													
9							SM	10YR2/1	Silty Sand with Gravel	0.0	2.2		8.8
10	SW-SM	10YR4/2	Well Graded Medium Sand with Silt and Gravel										

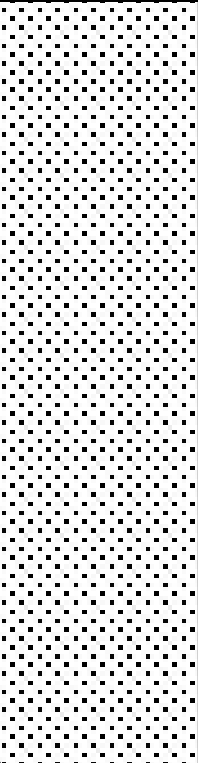
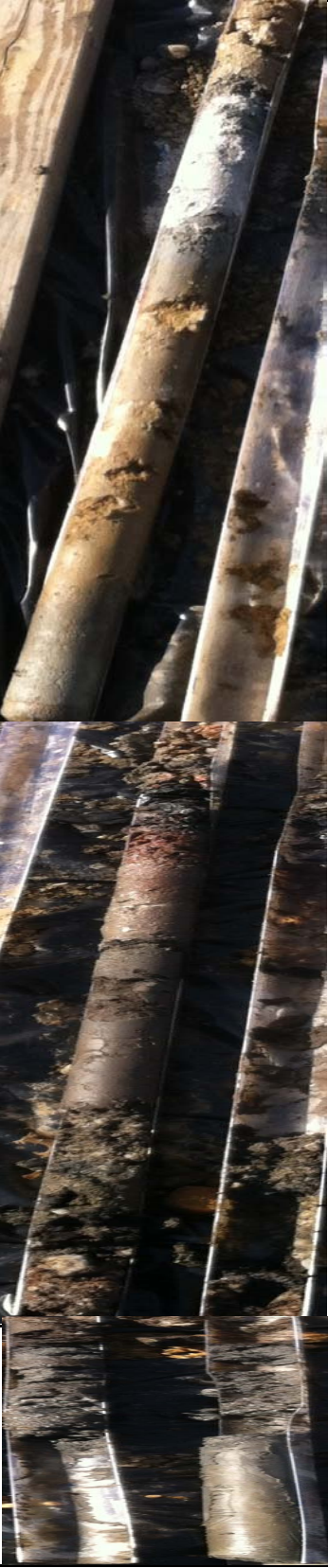
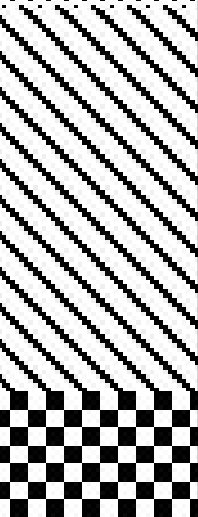
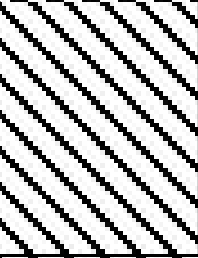
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-G-015		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sunny 16°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		8:15			Commpletion Time:		9:00						
Start Date:		1/30/2014			Completion Date:		1/30/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		5,860-6,530 cpm		Point				6,345 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		SM	10YR3/2	Dry	Wood, Leaves, Silty Sand, Little Gravel	0.0	9	20	5,650		
1					10YR4/4			0.0	49	41	5,820		
2													
3													
4													
5	5	2		SW	10YR5/3	Moist	Well Graded Medium Sand with Silt	0.0	<1.7	15.8	6,110		
6					10YR5/4			0.0	4.2	17.6	5,830		
7													
8													
9													
10	2	2		SM	10YR4/4	Moist	Silty Sand with Gravel	0.0	4.7	12.6	5,560		
11								CL	Sandy Clay	0.0	4.5		17
12													

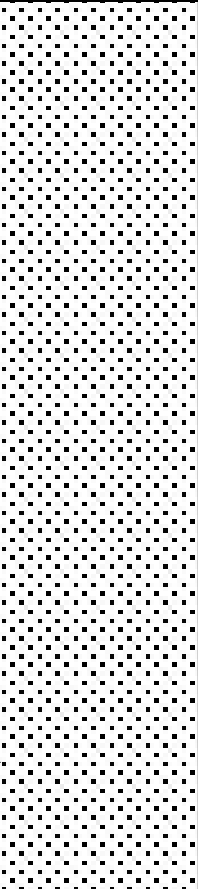

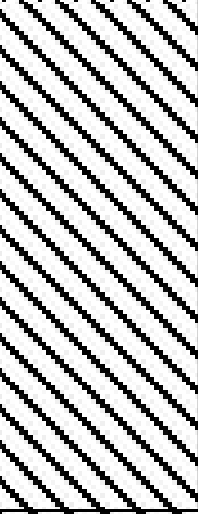
SOIL BORING LOG SHEET																	
BOREHOLE NUMBER:		LT-G-016		Instrument		Model Number				Serial Number							
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576							
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301							
WEATHER:		Sunny 16°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303							
Drilling Method:		Direct Push				Borehole Diameter:		2 inch									
Sampling Method:		Closed Piston				Borehole Depth:		12 feet									
Start Time:		9:10				Commpletion Time:		9:50									
Start Date:		1/30/2014				Completion Date:		1/30/2014									
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb					
Range		5,870-6,530 cpm		Point				6,079 cpm		14,648 cpm		24 ppm		400 ppm			
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log					
0	5	4		SM	10YR2/1	Dry	Wood, Leaves, Silty Sand	0.0	5	26	5,840						
1					10YR3/4			0.0	28	<10	5,910						
2				SW			10YR4/6	0.0	16	15	6,140						
3					ML								10YR4/2	0.0	5.2	22.1	5,980
4																	
5	ML	10YR4/2	0.0	9		28	5,440										
6					ML			10YR4/2	0.0	9	28		5,440				
7														ML	10YR4/2	0.0	9
8	ML	10YR4/2	0.0	9		28	5,440										
9					ML			10YR4/2	0.0	9	28		5,440				
10														ML	10YR4/2	0.0	9
11	ML	10YR4/2	0.0	9		28	5,440										
12					ML			10YR4/2	0.0	9	28	5,440					

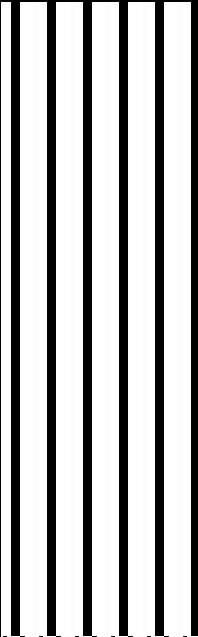
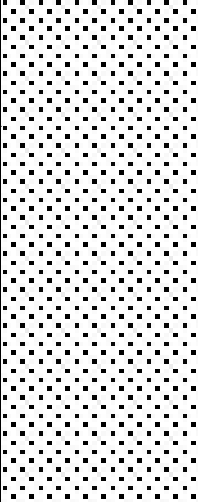

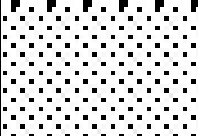
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-G-017		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sunny 16°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		10:10			Commpletion Time:		10:35						
Start Date:		1/30/2014			Completion Date:		1/30/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		5,380-5,830 cpm		Point				5,814 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		SM	10YR2/1	Dry	Wood, Leaves, Silty Sand	0.0	8	30	5,640		
1													
2													
3													
4													
5	5	4		SC	10YR4/2	Clayey Sand with Gravel	0.0	18	31	5,760			
6													
7				ML	10YR5/4	Silty Sand with Gravel	0.0	9	16	5,900			
8													
9				CL	10YR4/6	Moist	Sandy Clay	0.0	4	22	5,830		
10													
11	2	3		CL	10YR4/6	Moist	Sandy Clay	0.0	5	21	5,760		
12													

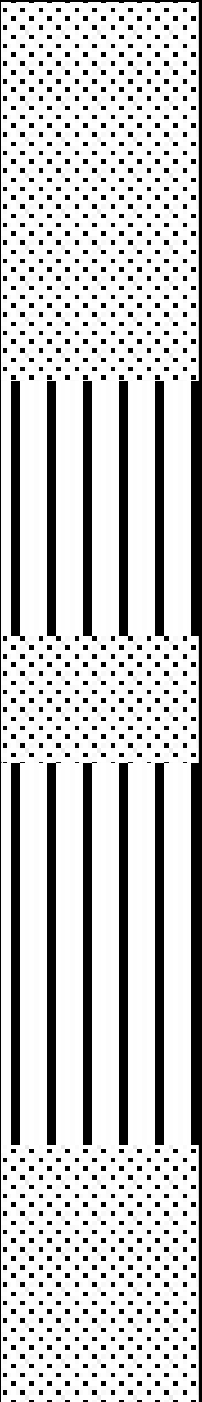
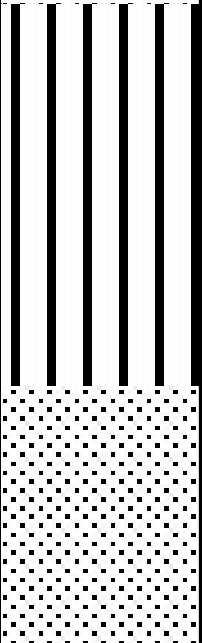
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-G-018		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Sunny 16°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		11:05			Commpletion Time:		11:35						
Start Date:		1/30/2014			Completion Date:		1/30/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		5,370-5,830 cpm		Point				5,766 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		SM	10YR3/2	Dry	Wood, Leaves, Silty Sand with Gravel	0.0	22	26	5,830		
1													
2													
3					10YR3/4			0.0	14	26	6,170		
4													
5	5	4.5		CL	10YR5/4	Moist	Clay	0.0	16	22	5,940		
6													
7					10YR5/3			0.0	15	42	6,210		
8													
9													
10	2	2		SM	10YR5/4	Moist	Silty Sand	0.0	2.5	7.8	5,730		
11													
12												SW	Well Graded Fine Sand

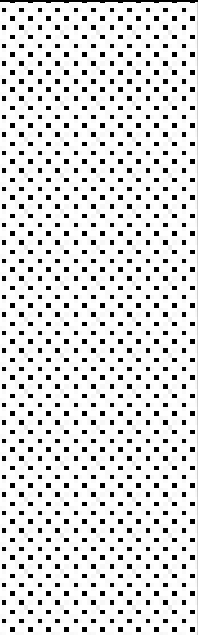

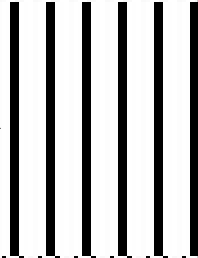

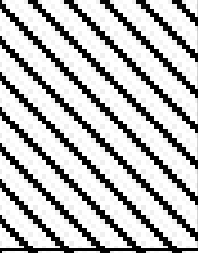

SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-G-019		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Partly Cloudy 21 °		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		9:00			Commpletion Time:		9:25						
Start Date:		2/6/2014			Completion Date:		2/6/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		2,990-3,530 cpm		Point				3,134 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	3		SW	10YR4/4	Moist	Stone, Well Graded Fine Sand with Trace Gravel	0.0	<4	74	3,940		
1													
2													
3													
4													
5	5	3		SW-SM	10YR3/3	Well Graded Fine Sand with Silt	0.0	177	114	4,000			
6					10YR5/4		0.0	4	16	4,400			
7				CL	10YR3/1	Wet	Sandy Clay	0.0	<1.8	24	3,800		
8													
9													
10	5	3		SW	10YR2/1	Well Graded Fine Sand with Gravel	0.0	<7	30	4,620			
11					10YR5/8		0.0	<1.8	2.7	4,410			
12				2	2								

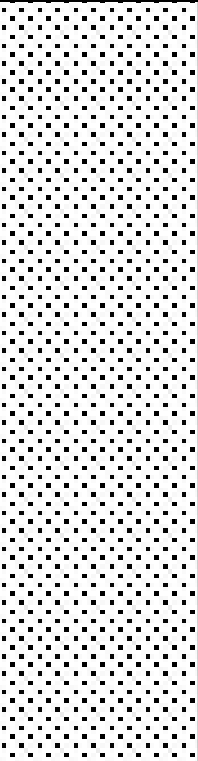

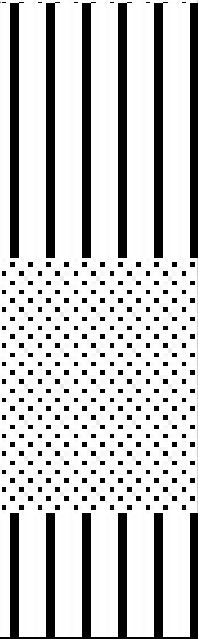

SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-G-020		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Partly Cloudy 21 °		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		12 feet						
Start Time:		9:30			Commpletion Time:		10:40						
Start Date:		2/6/2014			Completion Date:		2/6/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		3,680-5,250 cpm		Point				5,180 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	2.5		SW	10YR4/2	Moist	Concrete, Well Graded Fine-Medium Sand with Gravel	0.0	8	9	3,810		
1								0.0	<2	17	4,375		
2													
3													
4					10YR5/4	Wet	Brick, Well Graded Fine-Coarse Sand with Gravel	0.0	13	77	4,070		
5	10YR4/2	0.0	3.9	15.6	3,980								
6													
7													
8	5	3		CL	10YR2/2	Wet	Sandy Clay	0.0	<5	13	3,865		
9					10YR3/2			Silt with Gravel					
10				ML		Clay	0.0		16	35	4,110		
11	2	2		CL	10YR3/1								
12													

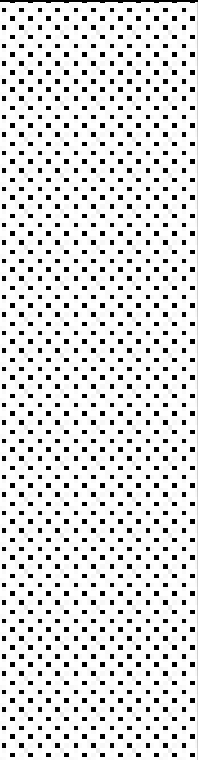

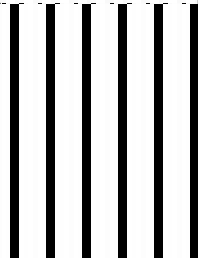
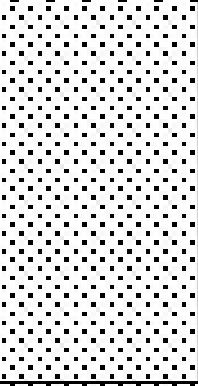
SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-G-023		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Partly Cloudy 21 °		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 feet						
Start Time:		11:25			Commpletion Time:		12:00						
Start Date:		2/6/2014			Completion Date:		2/6/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		3,680-5,250 cpm		Point				5,180 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4		SW	10YR4/4	Moist	Well Graded Medium Sand with Gravel	0.0	<2	40	3,950		
1													
2													
3													
4													
5							0.0	<1.6	20	4,580			
6	5	5		CL	10YR2/1	Wet	Sandy Clay	0.0	14	136	4,210		
7													
8													
9													
10												0.0	16

SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-G-026		Instrument		Model Number				Serial Number			
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600				110-009576			
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000				500301			
WEATHER:		Mist 37°		SCALER:		Ludlum 12 / 44-9				186760 / PR153303			
Drilling Method:		Air Hammer			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 feet						
Start Time:		8:10			Commpletion Time:		9:15						
Start Date:		2/21/2014			Completion Date:		2/21/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range				Point				14,648 cpm		24 ppm		400 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	4.5		SM	10YR3/1	Moist	Asphalt, Wood, Silty Sand	0.0	22	67			
1					10YR5/1								
2					10YR3/1								
3					10YR5/2								
4													
5													
6	5	4.5		SW-SM	10YR5/4		Well Graded Fine Sand with Silt and Gravel	0.0	<56	<55			
7				SW	10YR4/4	Wet	Well Graded Medium Sand with Gravel	0.5	<8	10			
8													
9													
10							SM			Silty Sand with Gravel	0.0	<16	<17
				SW-SM			Well Graded Medium Sand with Silt and Gravel						

SOIL BORING LOG SHEET																		
BOREHOLE NUMBER:		LT-G-027		Instrument		Model Number			Serial Number									
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600			110-009576									
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000			500301									
WEATHER:		Mist 37°		SCALER:		Ludlum 12 / 44-9			186760 / PR153303									
Drilling Method:		Air Hammer			Borehole Diameter:		2 inch											
Sampling Method:		Closed Piston			Borehole Depth:		10 feet											
Start Time:		9:30			Commpletion Time:		10:45											
Start Date:		2/21/2014			Completion Date:		2/21/2014											
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb						
Range				Point				14,648 cpm		24 ppm		400 ppm						
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log						
0	5	3.5		SW	10YR3/1	Wet	Well Graded Medium Sand with Gravel	0.0	18	65	4,370							
1					10YR4/3	Moist												
2				SM			10YR4/1	Silty Sand with Gravel	0.0	17	23		3,980					
3					10YR5/1	Wet	Asphalt, Wood, Silty Sand with Gravel							0.5	<31	51	6,340	
4				SW-SM				10YR2/1	Well Graded Medium Sand with Silt and Gravel	0.0	20		<16					7,180
5	5	2.5			SM	10YR5/1	Wet	Well Graded Medium Sand with Silt and Gravel						0.0	20	<16	7,180	
6				SW-SM					Well Graded Medium Sand with Silt and Gravel	0.0	20		<16					7,180
7					SW-SM			Well Graded Medium Sand with Silt and Gravel						0.0	20	<16	7,180	
8				SW-SM					Well Graded Medium Sand with Silt and Gravel	0.0	20		<16					7,180
9																		
10	SW-SM	Well Graded Medium Sand with Silt and Gravel	0.0		20	<16	7,180											

SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-R-001		Instrument		Model Number			Serial Number				
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600			110-009576				
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000			500301				
WEATHER:		Cloudy 27°		SCALER:		Ludlum 12 / 44-9			186760 / PR153303				
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 feet						
Start Time:		7:45			Commpletion Time:		8:50						
Start Date:		1/31/2014			Completion Date:		1/31/2014						
MARRSIM Walkover Survey (10'X10')					Monitoring Action levels			RAD (2X Background)		As		Pb	
Range		4,320-4,680 cpm		Point				4,569 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5 (Hand Auger)	5		SW-SM	10YR4/6	Dry	Well Graded Medium Sand with Silt and Gravel, Trace Cobbles	0.0	4	23	4,450		
1					10YR4/6		Well Graded Medium Sand with Silt and Gravel, Trace Cobbles				4,530		
2					10YR4/6		Well Graded Medium Sand with Silt and Gravel, Trace Cobbles				4,588		
3					10YR4/6		Well Graded Medium Sand with Silt and Gravel, Trace Cobbles				4,410		
4					10YR4/6		Well Graded Medium Sand with Silt and Gravel, Trace Cobbles				4,410		
5	5	4.5		SM	10YR3/2	Moist	Silty Sand with Gravel	0.0	1.7	8.5	4,530		
6					10YR3/2		Silty Sand with Gravel				4,530		
7					10YR3/2		Silty Sand with Gravel				4,150		
8					10YR3/2		Silty Sand with Gravel				4,150		
9					10YR3/2		Silty Sand with Gravel				4,150		
10	5	4.5		CL	10YR4/1	Wet	Clay	0.0	1.7	8.5	4,230		
6					10YR4/1		Clay				4,230		
7					10YR4/1		Clay				4,230		
8					10YR4/1		Clay				4,230		
9					10YR4/1		Clay				4,230		

SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-R-002		Instrument		Model Number			Serial Number				
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600			110-009576				
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000			500301				
WEATHER:		Cloudy 27°		SCALER:		Ludlum 12 / 44-9			186760 / PR153303				
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 feet						
Start Time:		10:50			Commpletion Time:		11:30						
Start Date:		1/31/2014			Completion Date:		1/31/2014						
MARRSIM Walkover Survey (10'X10')					Monitoring Action levels			RAD (2X Background)		As		Pb	
Range		4,030-4,510 cpm		Point				3,933 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5 (Hand Auger)	5		SW-SM	10YR4/3	Dry	Well Graded Medium Sand with Silt and Gravel	0.0	97	6	4,350		
1					4,410								
2					4,570								
3					4,670								
4					4,780								
5						Moist		0.0			4,420		
6	5	5		SM	10YR4/6	Wet	Silty Sand with Gravel	0.0	90	148	4,510		
7													
8				SW-SM									
9													
10				SM			10YR6/6						

SOIL BORING LOG SHEET													
BOREHOLE NUMBER:		LT-R-003		Instrument		Model Number			Serial Number				
GEOLOGIST:		AR		PID:		RAE Systems - PGM7600			110-009576				
HEALTH TECHNICIAN:		MS		XRF:		Innov-X Systems Inc. - DS-4000			500301				
WEATHER:		Cloudy 27°		SCALER:		Ludlum 12 / 44-9			186760 / PR153303				
Drilling Method:		Direct Push			Borehole Diameter:		2 inch						
Sampling Method:		Closed Piston			Borehole Depth:		10 feet						
Start Time:		13:50			Commpletion Time:		14:20						
Start Date:		1/31/2014			Completion Date:		1/31/2014						
MARRSIM Walkover Survey (10'X10')						Monitoring Action levels		RAD (2X Background)		As		Pb	
Range		4,980-5,670 cpm		Point				5,267 cpm		14,648 cpm		24 ppm	
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log	
0	5	5		SW	10YR4/4	Dry	Well Graded Fine Sand with Gravel, Brick at 3'	0.0	18	41	4,790		
1													
2													
3													
4													
5	5	4		SM	10YR4/3	Wet	Silty Sand with Gravel	0.0	60	54	5,010		
6													
7													
8													
9													
10	5	4		SW-SM	10YR5/6	Wet	Well Graded Medium Sand with Silt and Gravel	0.0	60	54	4,880	4,870	
6													
7													
8													
9													